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SEVERAL METHODS TO ASSESS GROUNDWATER SURFACE-WATER INTERACTIONS IN LOLO CREEK, MONTANA

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Abstract

This study addressed potential groundwater surface-water interactions along the lower reach of Lolo Creek in Lolo, Montana as part of a larger ongoing study conducted by the Montana Bureau of Mines and Geology (MBMG) Groundwater Investigation Program (GWIP). The GWIP focus is to address the causes of late summer dewatering along the lower reaches of Lolo Creek. This study's work attempts to: (1) identify gaining/losing reaches along a 6.5 km stretch and (2) test several methods for investigating groundwater and surface-water interactions. The methods included measuring incremental streamflow, hydraulic gradients, one-dimensional temperature profiles, and collection and evaluation of radon-222. Four sites were chosen along a 6.5 km stretch of Lolo Creek for monitoring streamflow and stage in conjunction with a paired shallow piezometer. The piezometers were instrumented with a transducer and two thermistors at different depths. Stream discharges were measured monthly at each site between June and November 2016 and show a gain of 0.028 to 0.11 m^3/s (1 to 4 ft^3/s) for the uppermost reach, loss of 0.23 m^3/s for the second reach, and loss of 0.14 to 0.28 (5 to 10 ft^3/s) for the third reach. Hydraulic gradients are negative at each site with the highest values at the downgradient site and the smallest values at the site that is closest to bedrock. Temperature profiles at the two lowest sites show downward conduction of surface water into groundwater with downward fluxes ranging from 0.33 m/day to 0.53 m/day at the second lowest site and 0.55 m/day to 0.85 m/day at the lowest site. The thermographs from the uppermost site show very little downward conduction of surface water with fluxes ranging from 0.05 to 0.09 m/day. Radon-222 sampling show very low concentrations (~10 pCi/L) at the lowest site with elevated concentrations (40-90 pCi/L) between the uppermost site and the second lowest site. A radon box model developed by Cook et al (2003) was used to estimate gas transfer velocity and an average velocity was determined to be 24 cm/hr. All data are available through MBMG's Ground Water Information Center at www.mbmggwic.mtech.edu (Appendix I).

Introduction

The population in the town of Lolo is approximately 3,900 according to the 2010 US Census and has increased 23% between 1990-2000 and 15% from 2000-2010. Several areas along Highway 12 and US 93 have recently undergone residential development as the population in Lolo continues to rise. Some houses within the neighborhoods receive water from a public water supply well but most homes including the homes in more rural areas, use domestic wells. With the continued growth of Lolo and the land-use changes associated with conversion of agriculture fields to subdivisions, as well as retirement of irrigation ditches, it is important to understand how the surface water interacts with groundwater. Another important factor in regard to water availability and timing relates to climate change. Over the past few decades, there has been a warming trend observed in western North America, which leads to earlier snowmelt and generally a decrease in snowpack (Cayan et al. 2006). Earlier runoff combined with lower snowpack produces a flashy flow system with extremely low flows for an extended period of time in late summer.

Lolo Creek is located 17 kilometers southwest of Missoula, Montana, and it is the northernmost tributary of the Bitterroot River (Figure 1).
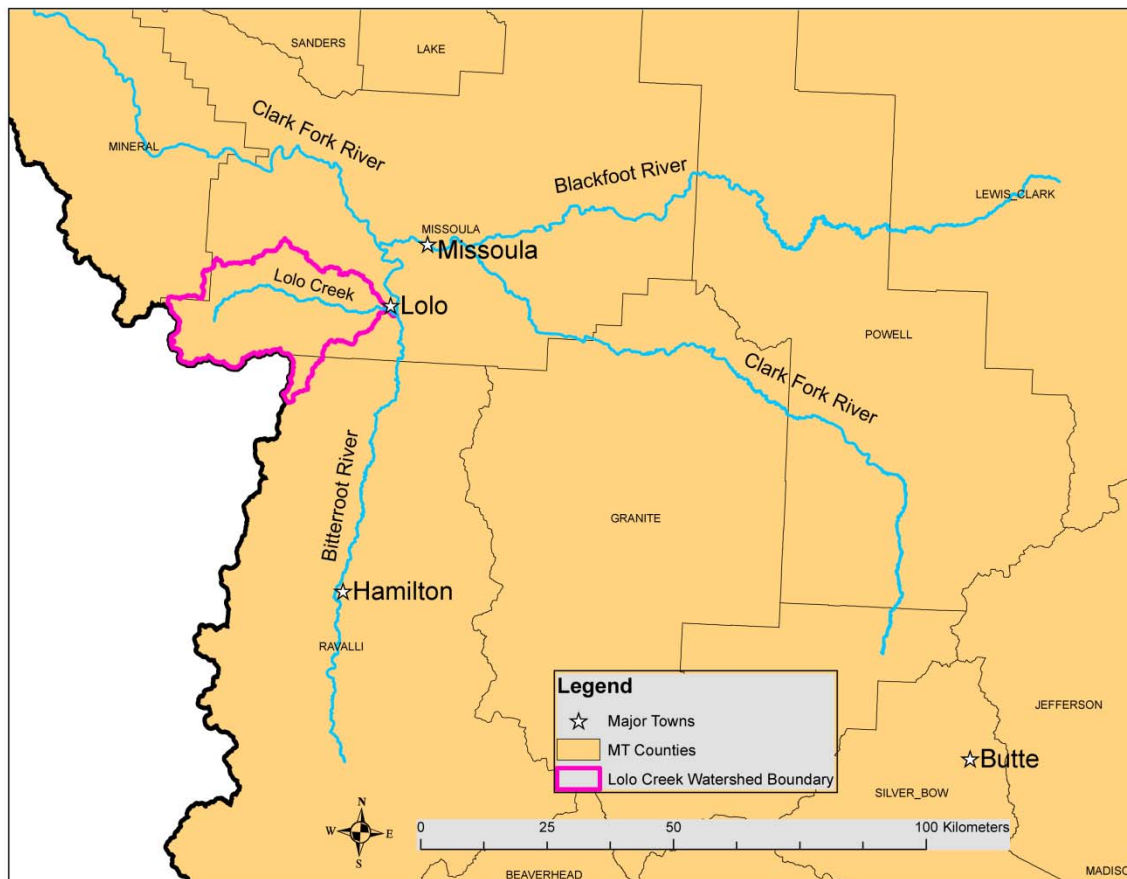
Figure 1: Location map of Lolo Creek in relation to the major rivers and cities in southwest Montana. Lolo Creek flows from West to East.

The Lolo Creek watershed encompasses an area of 700 km^2 in the northern section of the Bitterroot Mountain range in southwestern Montana. Lolo Creek flows for 35 km from its headwaters near the Idaho-Montana border to its confluence with the Bitterroot River. The upper and middle reaches flow through a relatively narrow, high-gradient canyon cut by a series of narrow valleys. The lower reach exits the canyon at a point three miles west of Highway 93 and flows across the low-angle Lolo Creek alluvial fan. Elevations in the watershed range from 970 m AMSL (above mean sea level) near the town of Lolo up to 1275 m AMSL at the headwaters of Lolo Creek near Lolo Hot Springs (Figure 2).
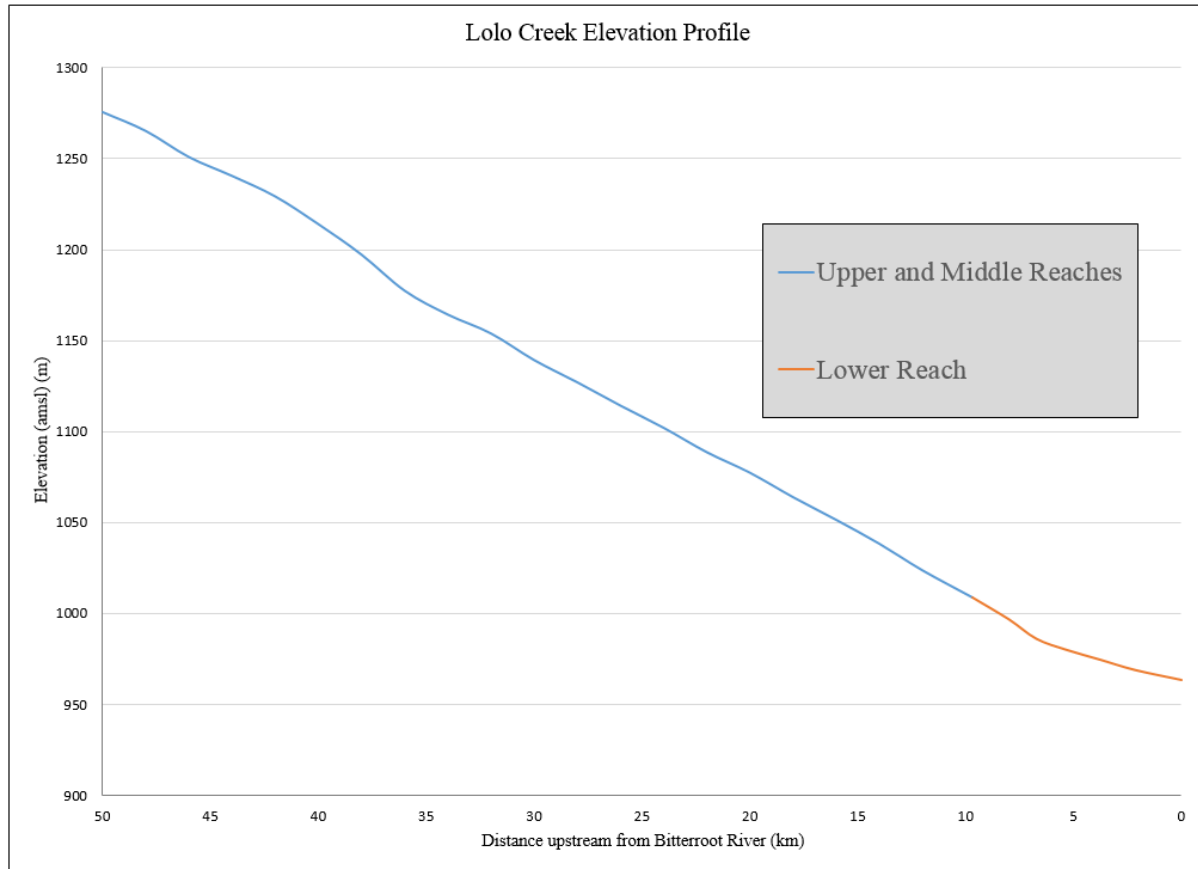
Figure 2: Lolo Creek elevation profile from its confluence with the Bitterroot River up to the headwaters.

The climate in the Missoula Valley area is classified as semi-arid with cold winters and relatively warm summers. Average annual precipitation ranges from 33-38 cm near the town of Lolo, to 61 cm near the headwaters of Lolo Creek, to 123 cm near the Idaho/Montana border. The average annual snowfall near the headwaters (Lolo Hot Springs) is around 250 cm. (Western Regional Climate Center, 2016). Lolo Creek is dominated by the release of snow-melt in the upper parts of the watershed, with some flows generated by early summer rain.

Over the past few decades, there have been several years where Lolo Creek has gone dry along the lower reach during late summer. The goals and objectives of this study were to determine where the creek is losing or gaining, and to use temperature, radon, and incremental streamflow to estimate groundwater/surface-water flux along the lower reach.

Geology

The hills surrounding the lower reach of Lolo Creek to the south and north are composed primarily of the Wallace formation (Yw) of the Belt Supergroup. The Wallace Formation in western Montana is varied and includes carbonate, argillite, and quartzite sequences. In the Lolo area, the Wallace Formation is primarily an argillite. These rocks are faulted and underlie the valley-fill alluvium. The valley floor is composed primarily of unconsolidated alluvium, mostly sand and gravel (Qal). Adjacent to the Lolo Creek floodplain are terrace deposits (Qat) that form a narrow passageway towards the Bitterroot River (Boer 2002). Depth to bedrock varies throughout the valley (30-45 m) but generally shows almost no change in depth to the East (Figures 3-6) (Smith 2006) (Lewis 1998). Cross-sections constructed by the Montana Bureau of Mines and Geology at transects near Dance Hall and Lewis and Clark show a similar sequence of PreCambrian bedrock overlain by Tertiary basin-fill and Quaternary basin-fill. At Lewis and Clark, the interpreted geology shows a slightly thicker Tertiary basin-fill unit than at Dance Hall and also shows the presence of coarser grained material as channel deposits within the younger Quaternary alluvium (Figures 4-6).
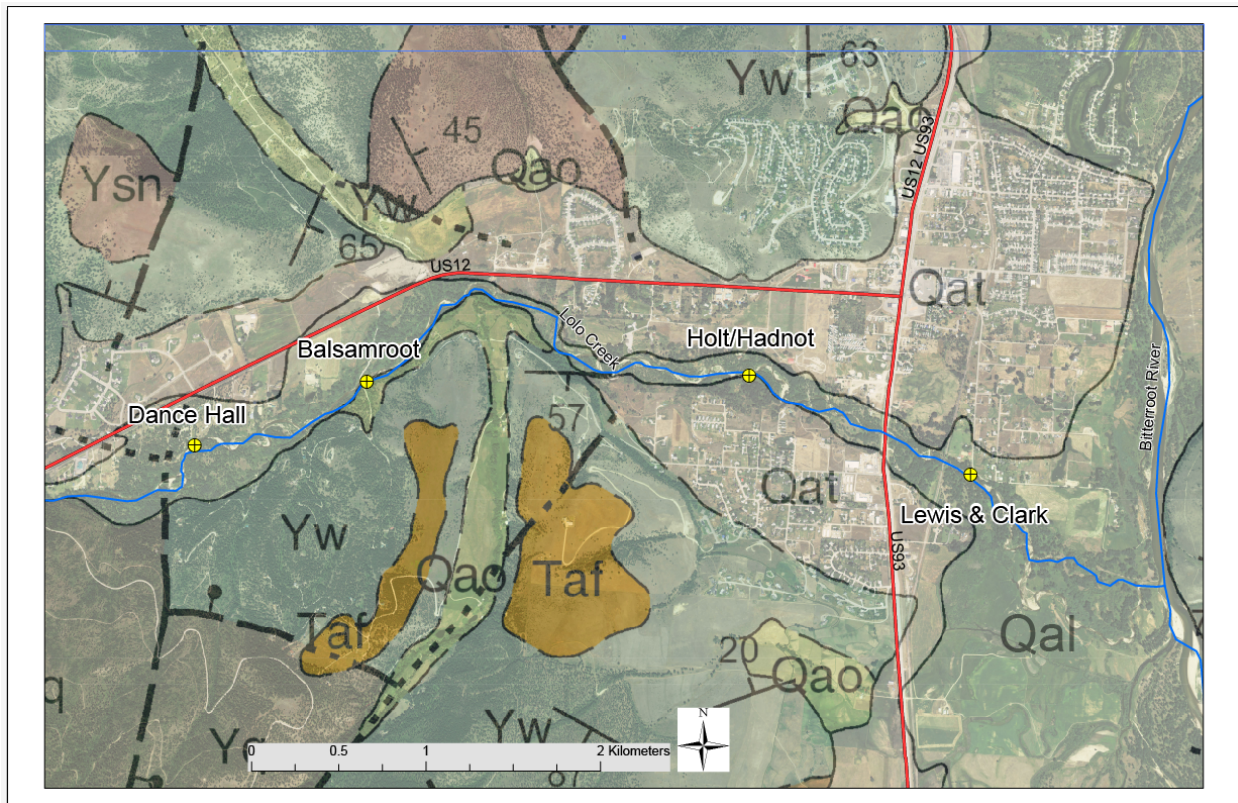
Figure 3: 1:100,000 geologic map of the Lolo, Montana area.
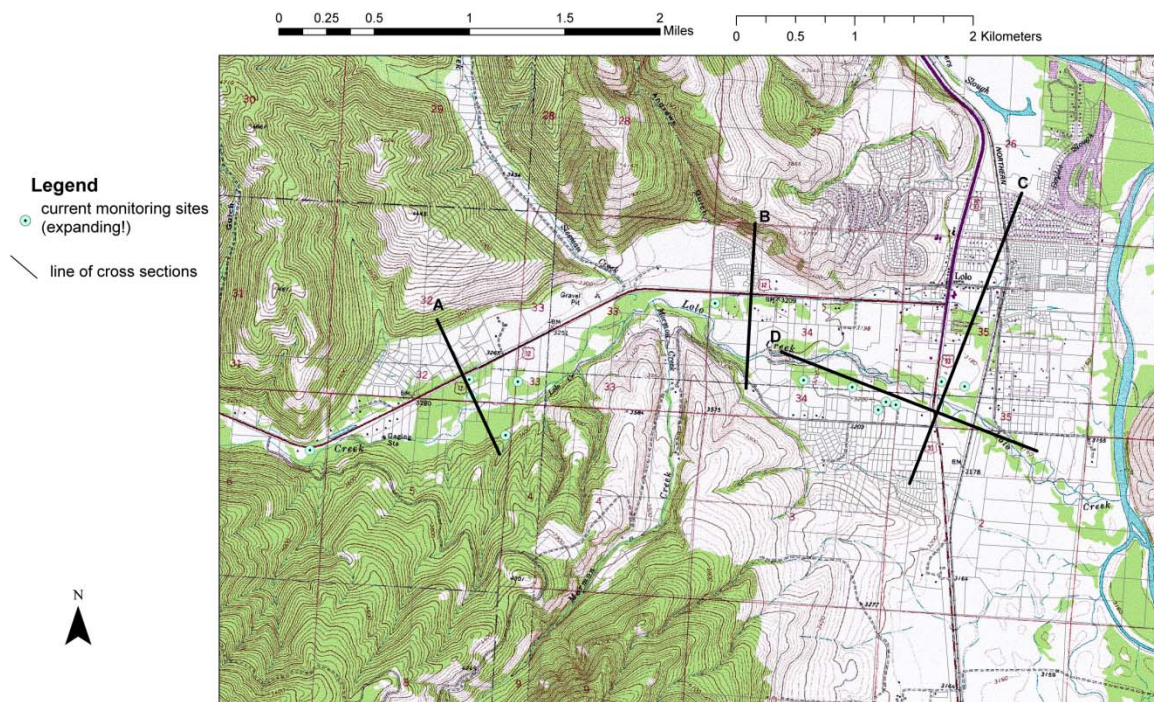
Figure 4: Topographic map of the study area showing the locations of constructed geologic cross-sections (used with permission of Camela Carstarphen).
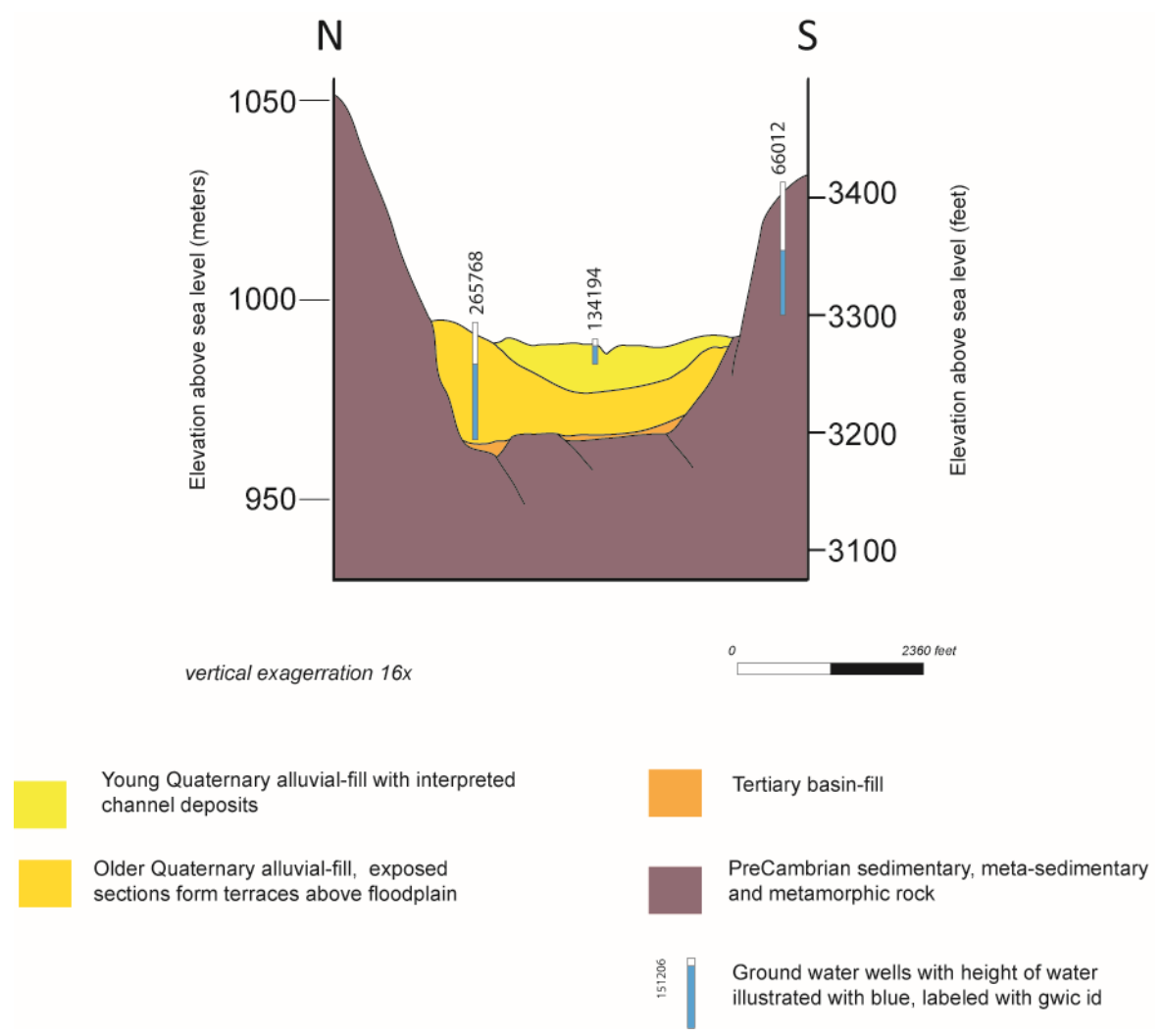
Figure 5: "A" geologic cross-section (used with permission from Camela Carstarphen).
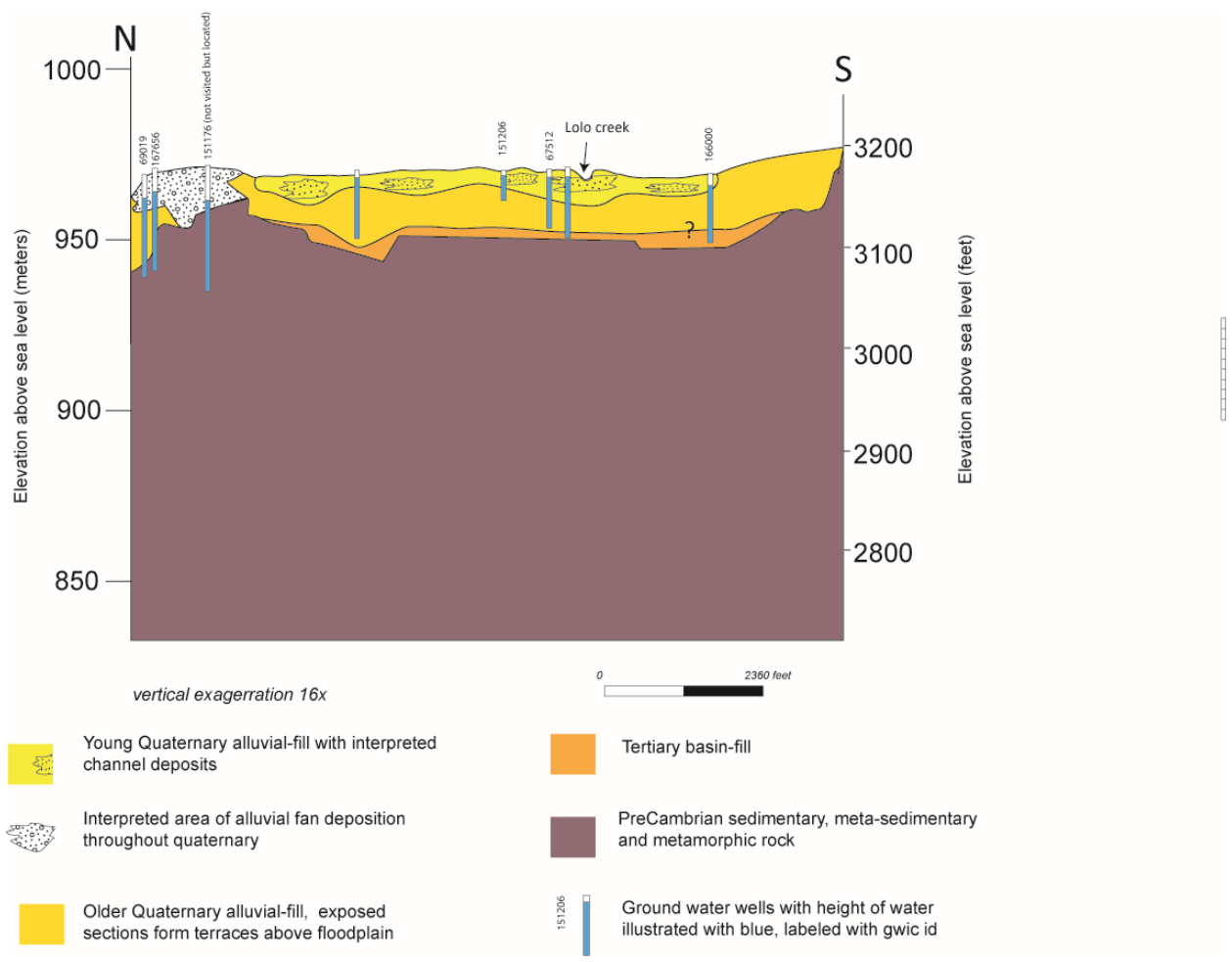
Figure 6: "C" geologic cross section (used with permission from Camela Carstarphen).
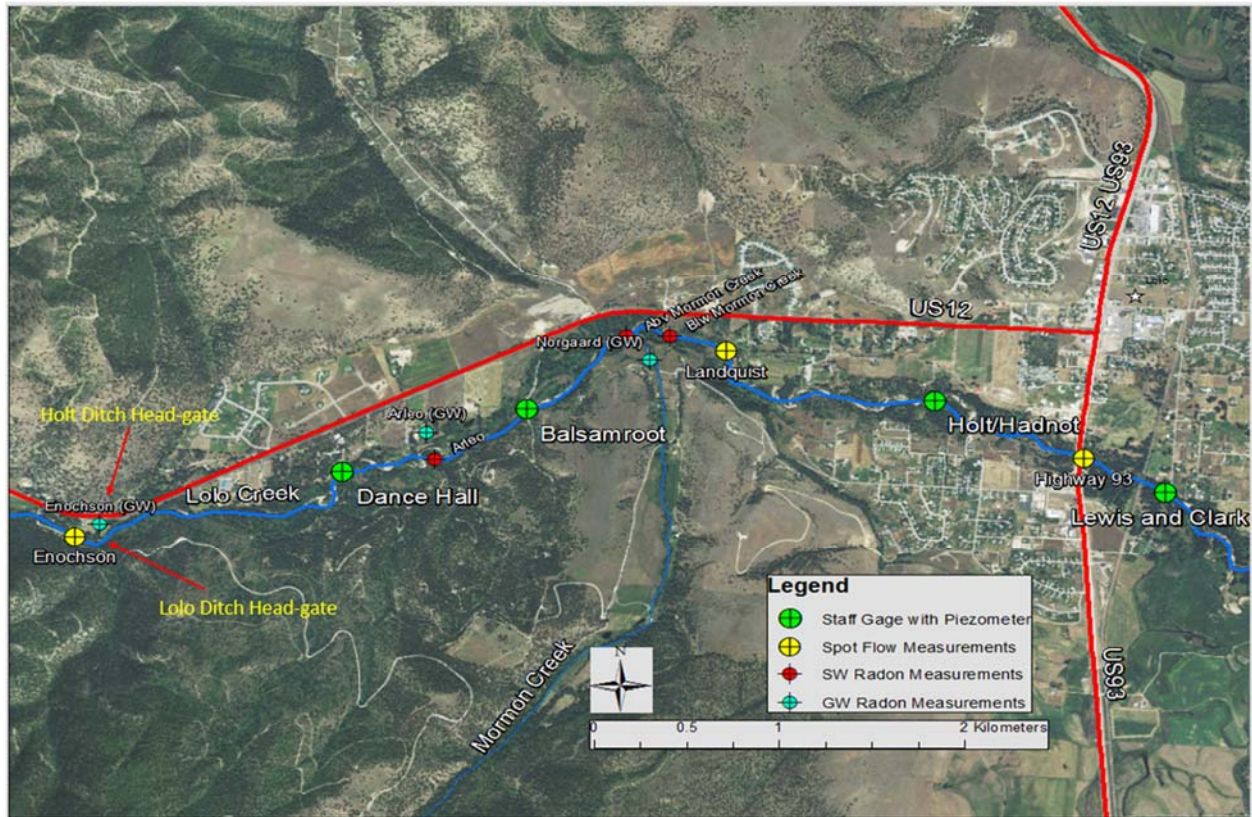
Figure 7: Location map showing monitoring locations and sites with instrumentation.

Field Methods

There are many different techniques that hydrogeologists use to try to quantify groundwater/surface-water flux. The most common are direct measurements of flux (seepage meters), use of heat as a tracer, Darcy's Law methods, and mass balance approaches (incremental streamflow and environmental tracers E. Kalbus et al 2006). The methods used in this study include incremental streamflow, heat as a tracer, hydraulic gradient, and radon-222. These methods allowed groundwater/surface-water flux to be investigated at two different scales. Incremental streamflow data were able to yield a flux value on a reach scale. Using temperature as a tracer in this study produced a one-dimensional (point-scale) flux value. Using near stream shallow groundwater levels and stream elevations defined directions of flow at four sites.

Incremental Streamflow

     The direct measurement of streamflow from one point to another can enable the determination of groundwater/surface-water flux. Streamflow measurements for this study were determined using a Sontek FlowTracker. Manual discharge measurements were taken at each site on a monthly basis from June 2016 to November 2016. Rating curves were developed based on the relationship between stage and discharge. Once the rating curve was established for each site, then the transducer stage data were converted to discharge data. Determination of the point of zero flow on the staff gage was vital for the development of rating curves. The "true" stage was then calculated using the point of zero flow ("e") as zero stage (Figure 8).
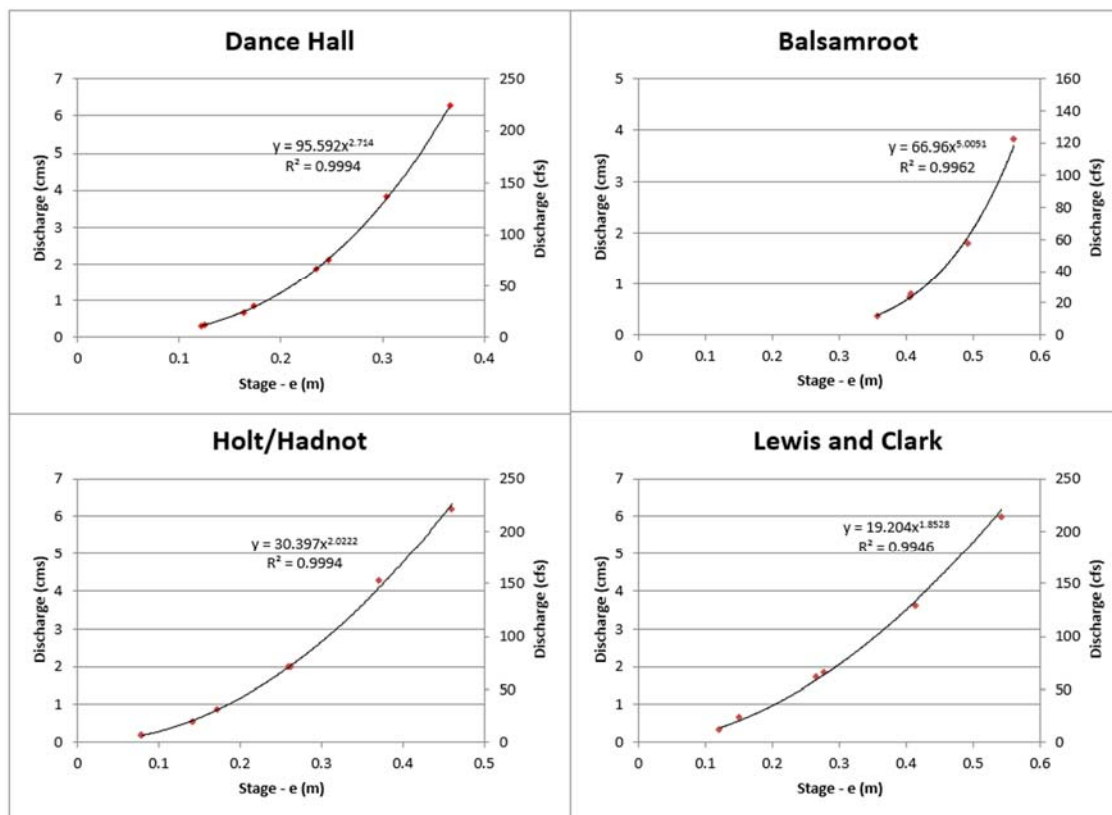
Figure 8: Rating curves developed at each site. The "e" value corresponds to the point on the staff gage for zero flow.

     Synoptic flow measurements were performed on 8/22/16, 9/14/16, and 10/4/16 to examine creek gains/losses and account for any inflows and outflows into the system (Table 1). The purpose of the synoptic run was to quantify all of the inflows and outflows of Lolo Creek (not including landowners

drawing from the creek) and measure as many sites as possible within the shortest period of time.

Between the synoptic runs, different sites were chosen based on the amount of time available during the

day. Relative elevations between the piezometers and staff gages were determined using a Leica Rugby

100 laser-level.

Site Name	Date/Time	Stage (m)	Discharge (cms)	Discharge (cfs)	GWIC ID
Holt Ditch	8/22/16 9:41		0.03	0.92	288652
Holt Ditch	9/14/16 10:15		0.06	2.24	288652
Enochson	8/22/16 10:30	0.37	0.84	29.53	288653
Enochson	9/14/16 11:23	0.38	0.95	33.43	288653
Lolo Ditch	8/22/16 12:26		0.49	17.23	288645
Lolo Ditch	9/14/16 12:42		0.50	17.81	288645
Lolo Ditch	10/4/16 10:18	0.23	0.45	15.93	288645
Dance Hall	6/16/16 9:41	2.60	6.26	221.25	288112
Dance Hall	6/23/16 14:33	2.54	3.83	135.39	288112
Dance Hall	7/5/16 17:00	2.47	1.87	66.11	288112
Dance Hall	7/18/16 11:15	2.48	2.12	74.98	288112
Dance Hall	7/28/16 15:30	2.41	0.85	29.92	288112
Dance Hall	8/22/16 14:00	2.36	0.31	10.91	288112
Dance Hall	9/14/16 14:44	2.36	0.35	12.47	288112
Dance Hall	10/4/16 11:40	2.40	0.68	24.17	288112
Balsamroot	6/23/16 17:40	1.61	3.83	135.18	288111
Balsamroot	7/8/16 11:15	1.55	1.81	64.10	288111
Balsamroot	7/28/16 17:23	1.46	0.81	28.51	288111
Balsamroot	9/14/16 16:26	1.41	0.37	13.14	288111
Balsamroot	10/4/16 14:00	1.46	0.74	26.15	288111
Landquist	8/16/16 16:40	0.5	0.34	11.99	288433
Landquist	10/4/2016 15:22	0.74	0.73	25.97	288433
Holt/Hadnot	6/16/16 15:27	1.51	6.19	218.60	288131
Holt/Hadnot	6/24/16 10:40	1.42	4.29	151.73	288131
Holt/Hadnot	7/6/16 15:55	1.31	2.02	71.38	288131

Holt/Hadnot	7/18/16 14:00	1.31	2.01	71.06	288131
Holt/Hadnot	7/28/16 13:40	1.22	0.84	29.74	288131
Holt/Hadnot	8/22/16 16:00	1.13	0.18	6.37	288131
Holt/Hadnot	9/14/16 17:50	1.13	0.19	6.61	288131
Holt/Hadnot	10/4/16 17:12	1.19	0.54	19.12	288131
Lewis and Clark	6/16/16 17:51	0.83	5.99	211.61	288113
Lewis and Clark	6/23/16 19:15	0.70	3.63	128.18	288113
Lewis and Clark	7/8/16 12:32	0.55	1.73	61.08	288113
Lewis and Clark	7/18/16 16:21	0.57	1.85	65.29	288113
Lewis and Clark	7/28/16 11:40	0.44	0.65	22.99	288113
Lewis and Clark	10/4/16 18:55	0.41	0.35	12.20	288113
Highway 93	8/22/16 17:35	0.29	0.04	1.46	288424
Highway 93	9/14/16 19:38	0.36	0.07	2.46	288424

Table 1: Table of surface water site discharges. Synoptic flow measurements are color-coded by specific date. The GWIC ID is the identification number associated with each site within the GroundWater Information Center. (GWIC 2016)

Hydraulic Gradient

The installation of shallow piezometers provides measurements of hydraulic gradient on a point scale. The gradient can then be used to determine the direction of groundwater flow. If the groundwater elevation is higher than stream stage elevation, then the stream is gaining from groundwater. If the groundwater elevation is lower than the stream surface, then the stream is losing to groundwater. If there is no difference in elevation between the stream and groundwater, the flow of groundwater is horizontal. There can also be the case where a low conductivity layer exists beneath the stream causing the groundwater to be disconnected from the surface water (Constantz 2008). The difference in hydraulic head between the piezometer and the staff gage was also used to calculate flux with a known hydraulic conductivity.

Temperature

The use of heat as a tracer can help quantify the interaction between groundwater and surface water, because of the large difference in stream water temperature and underlying sediment water

temperature. Surface water temperatures change throughout the day with maximum temperatures in the evening and minimum temperatures in the early morning. Groundwater temperatures, when not influenced by surface water, are relatively insulated from the surface and show very minimal diurnal changes. As water moves between the sediment-water interface, heat is also transferred. The transfer of heat through the sediment-water interface is caused by four main mechanisms: conduction, advection, convection, and radiation (Constantz 2008). Conduction occurs as water moves either up or down through the sediment-water interface. Heat convection is due to the difference in water temperature between the stream and sediment as water flows downstream. Advection occurs from the movement of water in the sediments beneath the stream. Radiative transfer is due to adsorption of thermal rays from the sun (Constantz 2008).

Temperature profiles collected with transducers and iButtons were analyzed using 1DTempPro, which solves the one-dimensional flow and heat transport equations. The transducers used in this study are In-Situ LevelTROLL 300, non-vented with a range of 10.9 m. The temperature buttons used in this study are iButton thermal data loggers (Maxim Integrated DS1922L) run with a precision of 0.0625 °C. 1DTempPro allows users to manually calibrate a one-dimensional VS2DH (Variably Saturated 2-Dimensional Heat Transport) (Healy and Ronan 1996) model to a set of temperature time-series data from different depths below a sediment-water interface (Voytek 2014). Vertical groundwater/surface-water flux and hydraulic conductivity were estimated using postprocessor features within VS2DH. The heat-transport equation was solved under the assumption of homogenous hydraulic and thermal properties. The stream and piezometer transducers were used as the upper and lower boundary (respectively) for model calibration.

Four points at each site were used to measure temperatures at different depths below the sediment-water interface. Temperatures were recorded hourly at depths of 0, 0.5, 0.9, and 1.3m below the bottom of the streambed. The upper and lower depths were used as boundary conditions for the model with the two intermediate depths acting as observation points. Figure 9 illustrates how this technique is

used.
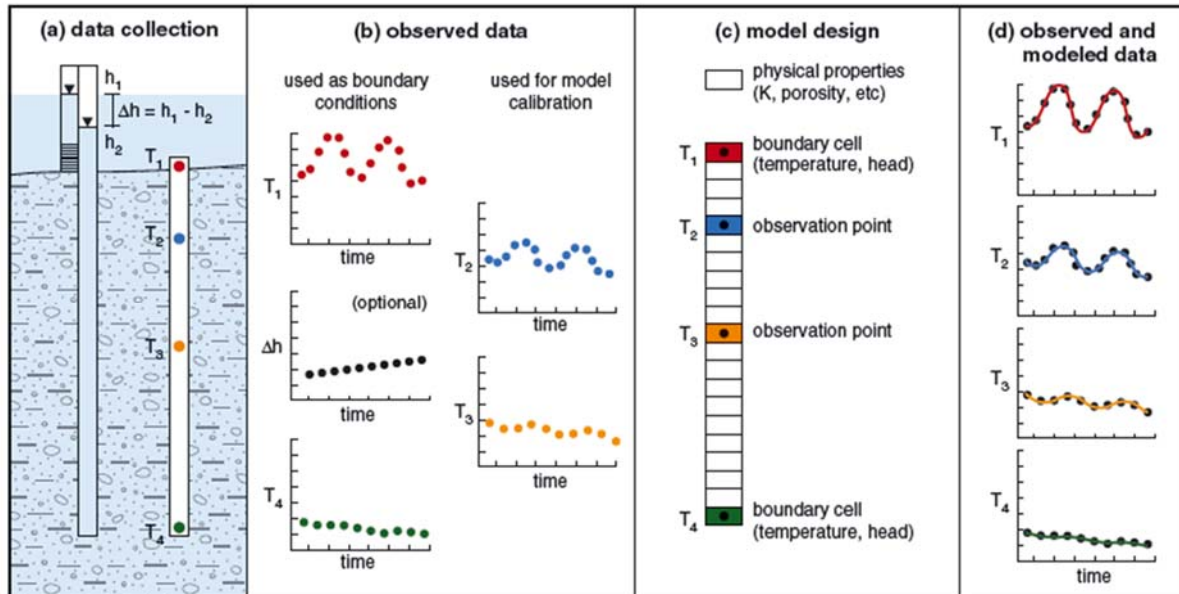
Figure 9: (a) A schematic of data collection including a temperature probe with four sensors and a pair of pressure transducers; (b) measurements of temperature (T) and head difference (Δh=h1-h2) for use as boundary conditions and calibration data; (c) numerical model consisting of a single column of homogeneous, fully saturated finite-difference cells; and (d) comparison of modeled and observed data. (From Voytek 2014)

The main purpose of 1DTempPro is to provide estimates of hydraulic conductivity and specific discharge (flux). After the data are input into the model, parameter estimation and calibration are used to calculate hydraulic conductivity. Before calibration, there is a list of sedimentary materials (e.g. fine sand, silty loam) that are used as the initial condition for the thermal properties of the sediment. The model is run under the assumption that the sediment is fully saturated and homogeneous. To calculate specific discharge, 1DTempPro uses the energy transport equation that accounts for the transport of heat and water through sediments in one-dimensional vertical flow (Stallman 1963).

$$K_T \frac{\partial^2 T}{\partial z^2} - q C_W \frac{\partial T}{\partial z} = C_S \frac{\partial T}{\partial t}$$

Where t is time in seconds, C_W is heat capacity of water in J/m³°C, C_S is heat capacity of the sediment in J/m³°C, T is temperature in °C, K_T is thermal conductivity of the water and solid matrix in W/m°C, z is depth in meters, and q is steady liquid water flux through the sediments in m/s. The value of

q is defined as the product of hydraulic conductivity, K, in m/s and the hydraulic gradient between the stream and groundwater (Constantz 2008).

Radon

Radon-222 is a naturally occurring dissolved gas that is useful for locating and quantifying groundwater discharge to surface water (Cecil and Green 2000). Radon-222 is a product of the uranium-thorium decay sequence, and it has a half-life of 3.8 days. As the uranium and thorium in the bedrock and soil decay, they produce Radon-222 from alpha decay of Radium-226. This alpha decay produces an effect called direct recoil, where Radon-222 moves from within the mineral grains and can be incorporated into the pore spaces. Once it enters the pore spaces, it is then able to be transported with the flow of groundwater (Cecil and Green 2000). In areas where groundwater is discharging to surface water, Radon-222 activity may be higher than the stream water, depending on the concentrations in groundwater, but it degasses rapidly as it flows downstream. This rapid degassing combined with the short half life of Radon-222 limit its use to specific points where groundwater discharge may be occurring.

Radon synoptic samples were collected on July 28, 2016 and August 16, 2016. The first sampling date included all surface water sites and two domestic wells, and the second sampling date focused on the reach between Balsamroot and Landquist (Figure 7). This reach was chosen a more refined study because of elevated radon concentrations measured previously at Balsamroot and Landquist. Three groundwater samples were collected in wells screened in 400BELT, 111ALVM, and 112ALVM. Surface water and well samples were collected using a 60-mL high density polyethylene syringe. For surface water sites, the syringe was submerged and rinsed three times and collected from as close to the bottom of the stream as possible. The samples were then injected into a 10 mL glass bottle containing high bi-refrengence mineral oil to prevent interaction with the head space in the bottle or with the atmosphere. At each surface water sampling site, measurements were made of depth, velocity, and width of stream. Radon samples were submitted to the MBMG analytical lab 12-24 hours after collection to allow analysis to occur within 48 hours to decrease loss due to radioactive decay. The samples were

analyzed using a Beckman KS 6000 Series Scintillation counter using Standard EPA Method 913 and were corrected for decay based on time of sampling. Radon concentration was reported in pico curies per liter (pCi/L).

In-stream and groundwater radon-222 concentrations were used with a box model developed by (Cook et al. 2003) to calculate gas transfer velocities on a reach scale. Radon values were converted to becquerels per cubic meter (bq/m^3). The equation used in this box model is:

$$Q\frac{dc}{dx} = I(c_i - c) + wEc + kw(Sc_a - c) + k'w\rho c_a - dw\lambda c,$$

C is the concentration within the stream, I is the concentration in groundwater inflow, c_a is the atmospheric gas concentration, S is the tracer solubility, Q is the stream flow rate (m^3/day), I is the groundwater inflow rate per unit of stream length (m^3/m/day), k is the gas transfer velocity across the water surface (m/day) (zero for tracers that do not exchange with the gas phase), λ is the radioactive decay constant based on radon's half-life of 3.8 day), E is the evaporation rate (m/day), k' is the air entrapment coefficient (cm3/cm2/day), w is the width of the river surface (m), d is the mean stream depth (m), and x is the distance in the direction of flow. Sc_a is the concentration of the tracer that would occur in equilibrium with the atmosphere (Cook et al 2003).

Monitoring Network

Four sites were set up along a 4-mile reach from above the town of Lolo to the point where Lolo Creek has historically gone dry during August (Figure 7). Sites were chosen based on map access and previous flow measurements performed by the Montana Department of Natural Resources and Conservation (DNRC) and United States Geological Society (USGS). A staff gage with a stilling well was installed in-channel at each stream site with a pressure transducer to record hourly temperature and stream stage (Figure 9).

In addition to the staff gage, a shallow piezometer was also installed on the bank as close as possible to the staff gage. The piezometers were hand driven to a total depth of around 3 m, with a 0.6 m stick-up from ground level. The piezometers were instrumented with a pressure transducer installed 5 cm off of the bottom and two temperature buttons suspended 0.4 m and 0.84

Figure 10: Instrumentation setup with staff gage in the stream and piezometer on the bank.

m above the transducer (Figure 11).
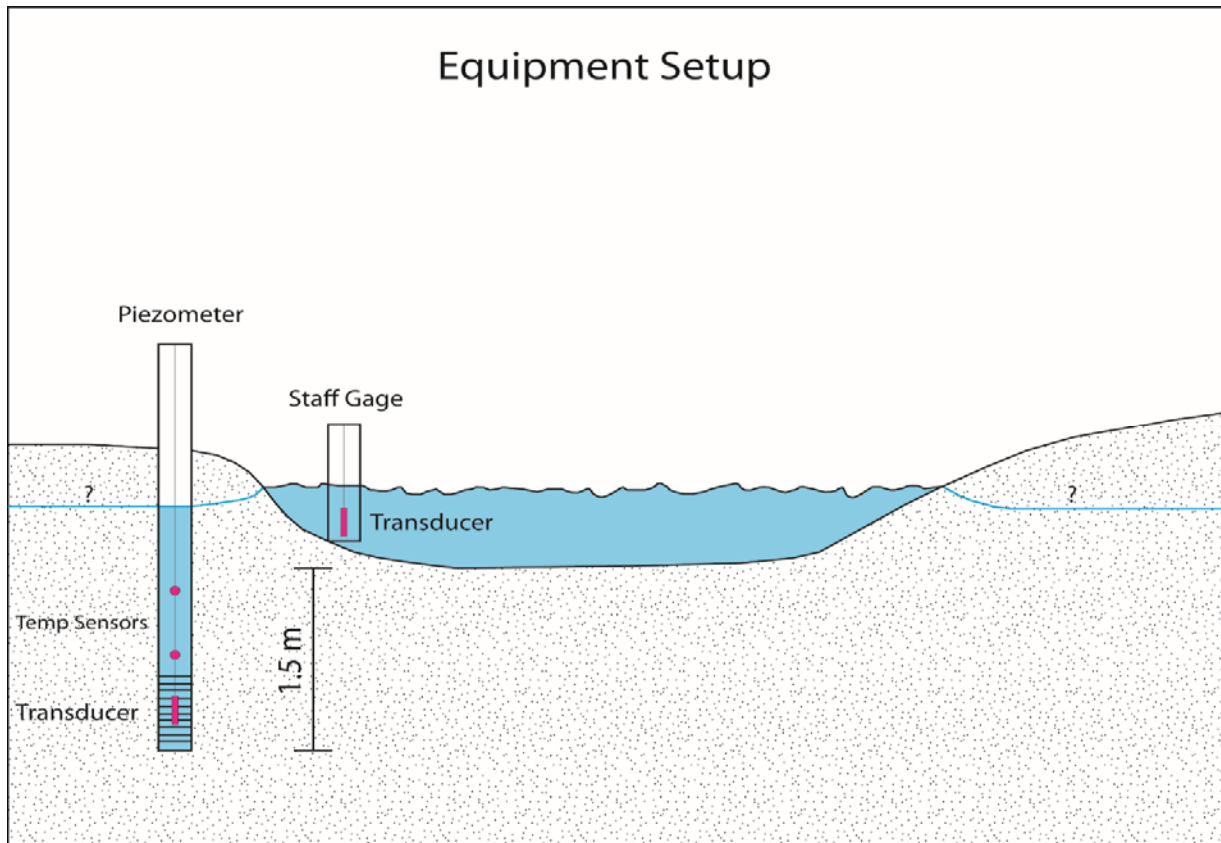
Figure 11: Drawing showing the equipment used in the study. Dance Hall and Holt/Hadnot have equipment on the same side of the creek, while the Balsamroot and Lewis and Clark sites have equipment on opposite banks.

The piezometers at each site are composed of a 91 cm x 3.2 cm well-point attached to galvanized steel risers. The well points were made by Water Source with an 80 mesh screen and a screen length of 61 cm. A barometric pressure logger was installed in a nearby residential well to provide correction from pressure to depth of water.

Results and Discussion

Incremental Streamflow

The flow in Lolo Creek during the study period ranged from baseflow to almost 10 cms. Rating curves were developed at each site (Figure 8) and discharges were calculated from hourly stage measurements. The discharges calculated from the rating curves showed an increase in flow between

Dance Hall and Balsamroot of around 0.028 to 0.11 m³/s (cms) (1 to 4 ft³/s (cfs)). From Balsamroot to

Holt/Hadnot, flows decreased by around 0.23 cms (8 cfs). From Holt/Hadnot to Lewis and Clark, flows

again decreased by around 0.14 to 0.28 cms (5 to 10 cfs) (Figures 12 and 13). A precipitation event

caused a spike in the hydrograph on 7/12/16 and the flows from each limb of the peak were not used to

calculate gains and losses.
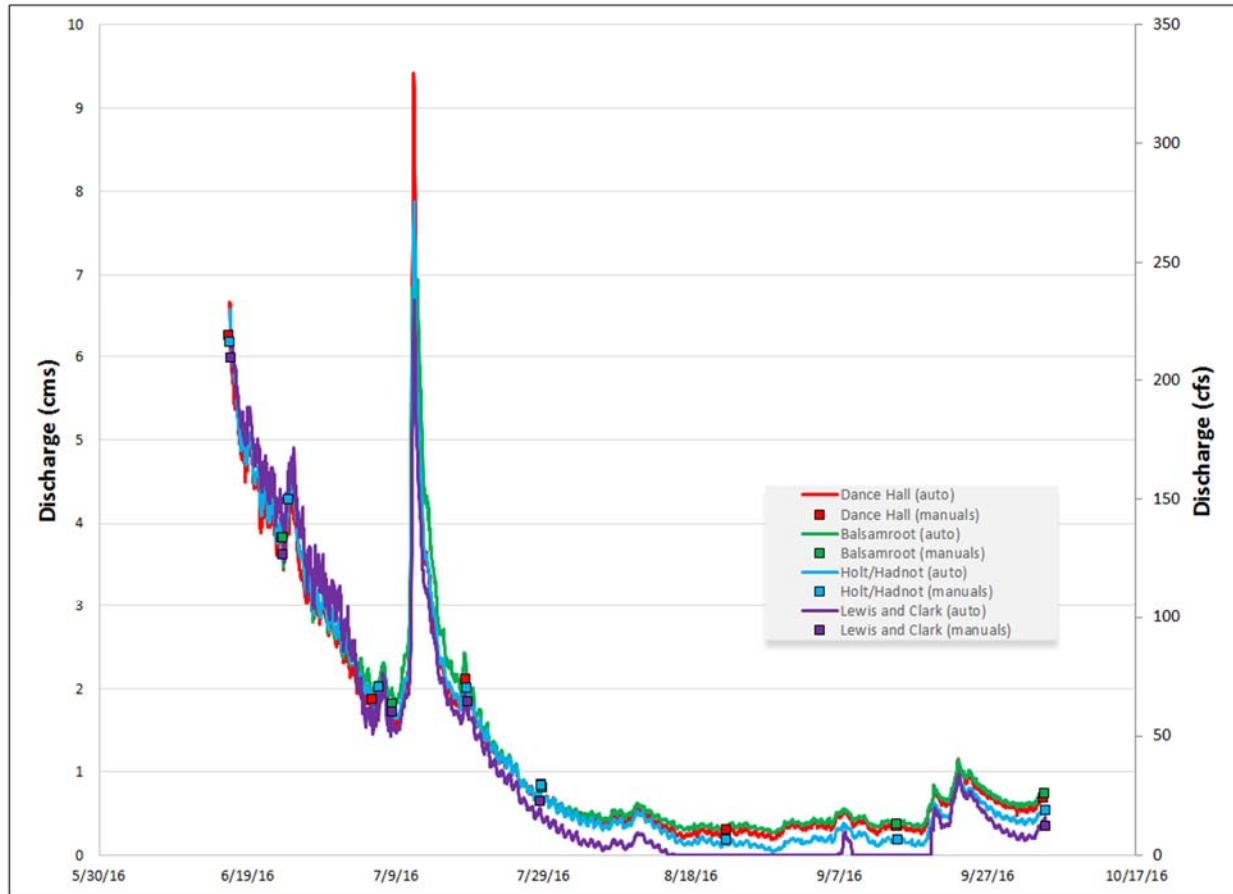
Figure 12: Hydrograph for each site, with discharge calculated from rating curves.
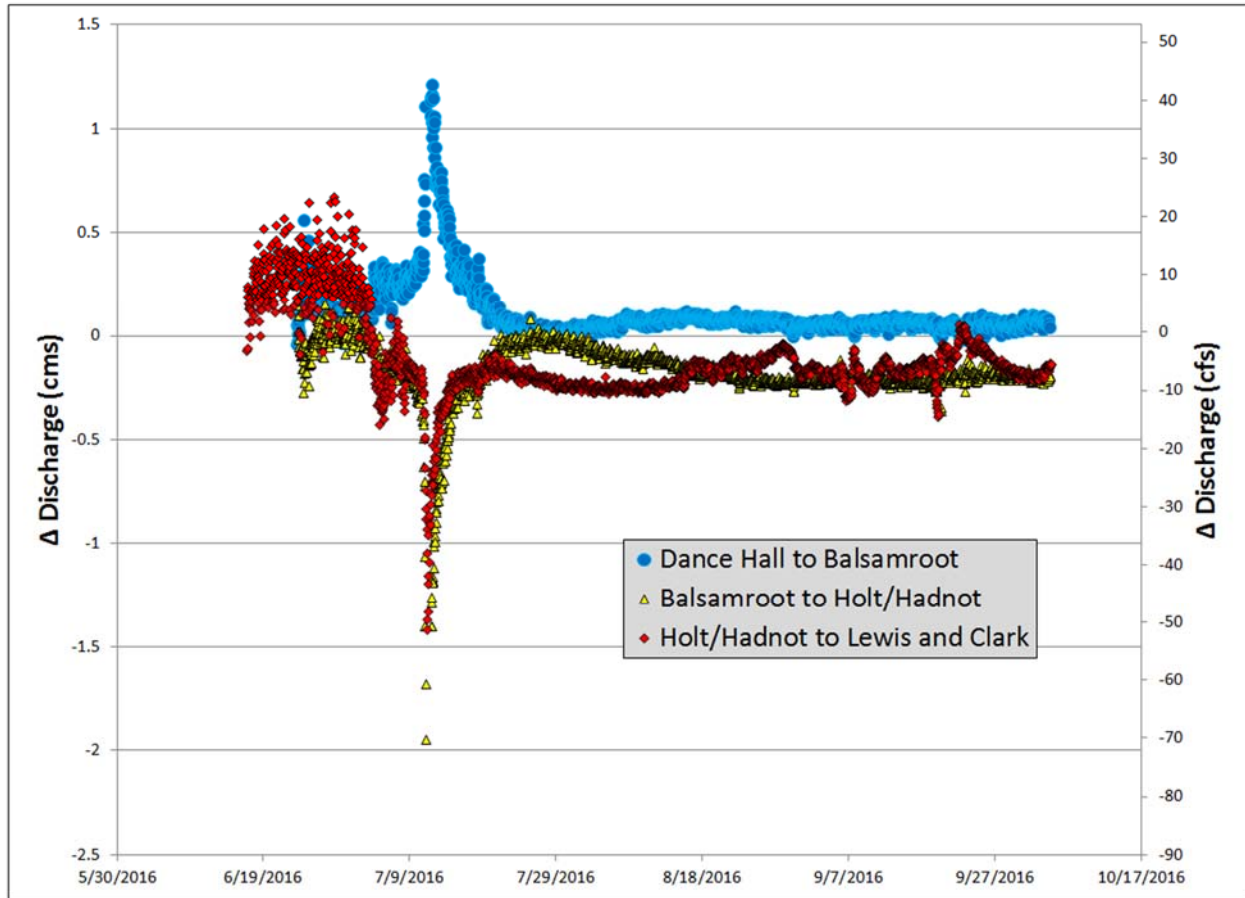
Figure 13: Graph showing the changes in flow between each site in the study area. Positive values indicate a gain in flow, and negative numbers indicate a loss in flow.

The synoptic flow measurements from Dance Hall to Balsamroot showed increases in flow of 0.02 and 0.06 cms for each synoptic run. The reach from Balsamroot to Holt/Hadnot showed a decrease in flow of 0.18 and 0.2 cms for each synoptic run. The next downstream reach (Holt/Hadnot to Lewis and Clark) also showed a decrease in flow of 0.2 cms (Figure 13).

The manual measurements and discharges calculated from transducers show similar magnitude of gains between Dance Hall and Balsamroot, and similar losses from Balsamroot to Holt/Hadnot and Holt/Hadnot to Lewis and Clark. From late August to late September, the Lewis and Clark site was dry, so losses calculated from Holt/Hadnot were based purely on the flows at Holt/Hadnot.

Radon Sampling

Surface water and groundwater radon-222 was sampled on two separate occasions. The first run on 7/28/16 focused on the entire study reach from Dance Hall to Lewis and Clark. The second run on 8/16/16 focused on a shorter reach between Balsamroot and Landquist (Figure 13). The surface-water radon concentrations on 7/28/16 (Figure 14) showed increases between Dance Hall and Landquist (23.6 to 46.6 pCi/L), and decreases from Landquist to Lewis and Clark (46.6 to 13.7 pCi/L). On 8/16/16 the radon concentrations showed similar patterns above Landquist with the highest values between Mormon Creek and Landquist (Figures 14 and 15). Groundwater radon-222 samples were collected in four wells screened in either Quaternary alluvium or bedrock with radon-222 concentrations ranging from 674 to 786 pCi/L.
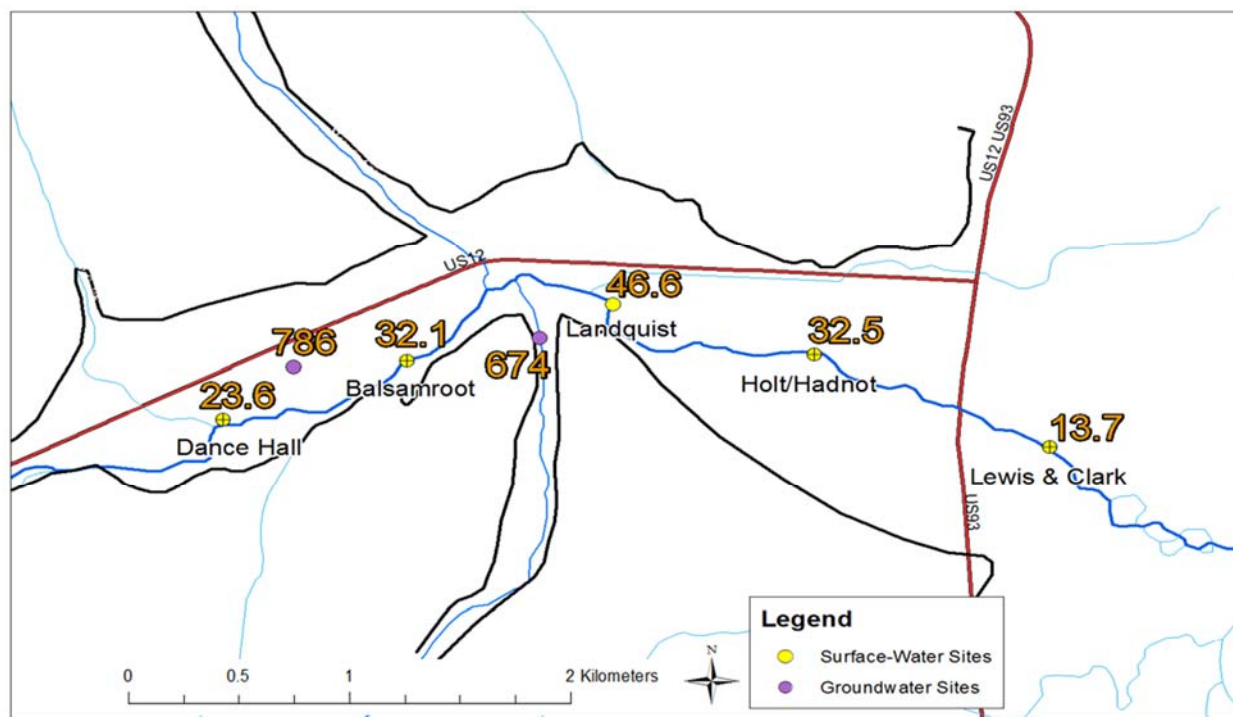
Figure 14: Radon sampling run on 7/28/16. Concentrations are in pCi/L.
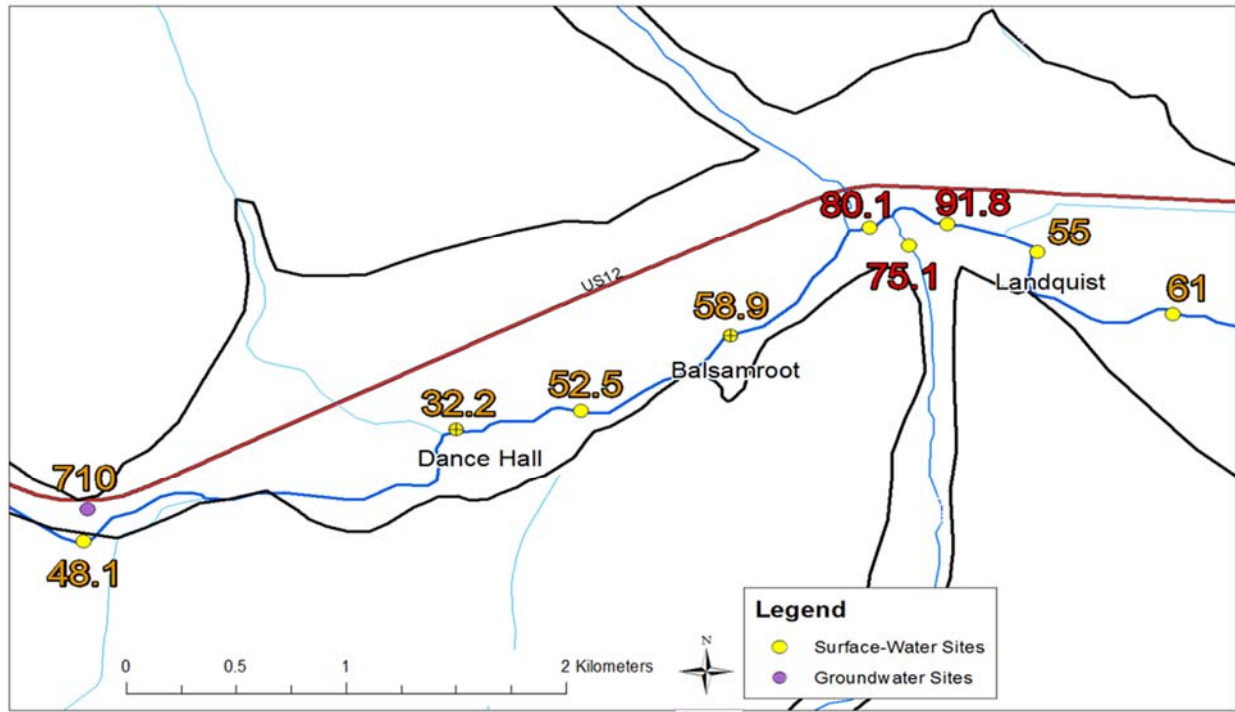
Figure 15: Radon sampling run on 8/16/16. Concentrations are in pCi/L.

Hydraulic Gradient

Vertical hydraulic gradients were calculated from the difference between the water level in the stream and the water level in the piezometer. All of the sites in the study area exhibited a downward gradient (stream elevation higher than the elevation head in the piezometer) with the lowest gradient at Balsamroot and the highest gradient at Lewis and Clark. The vertical gradients were maximum during low-flow periods during late August and early September. Minimum gradients occurred during higher flows in June and early July. The gradient ranges at Dance Hall, Balsamroot, Holt/Hadnot, and Lewis and Clark were (-0.32)-(-0.5)m, (-0.02)-(-0.05)m, (-0.33)-(-0.53)m, and (-0.55)-(-0.85)m respectively.

The hydraulic gradient at each site was negative, which would indicate downward flow of surface water into groundwater. The gradient was the smallest at Balsamroot which might be explained by either groundwater discharging nearby upstream or downstream, or possibly due to a component of horizontal flow of groundwater from the bedrock to the south. Although each piezometer and staff gage exhibit negative gradients at each site, they are only useful for a small area because of the spatial variability of

hydraulic gradient. Placement of the piezometer is extremely important because the location might not

provide the most representative data when looking at groundwater and surface-water interactions.

Temperature

Three of the four sites were modeled from 7/14/16 to 7/28/16 using 1DTempPro to determine

hydraulic conductivity and flux (Figure 16). The temperatures at the uppermost site, Dance Hall, were

modeled with a RMS error of 0.49, and the hydraulic conductivity was estimated to be 0.17 m/day

(Figure 17). The flux at Dance Hall ranged from 0.05 to 0.09 m/day. The second lowest site,

Holt/Hadnot, was modeled for the same period with a RMS error of 0.19, and a hydraulic conductivity of

1 m/day (Figure 18). The flux at Holt/Hadnot ranged from 0.33 m/day to 0.53 m/day. The lowest site,

Lewis and Clark, was modeled for the same period with a RMS error of 0.59, and the hydraulic

conductivity was estimated to be 0.86 m/day (Figure 19). The flux at Lewis and Clark ranged from 0.55

m/day to 0.85 m/day. The thermographs at each site are shown in Figure 8. Falling head and rising head

slug tests were also performed at each site to look at two-dimensional hydraulic conductivity since

1DTempPro only estimates vertical hydraulic conductivity. The hydraulic conductivities calculated for

each site are shown in Figures 20-27 with a comparison between modeled conductivities in Table 2.

The thermographs at each site all show different patterns between the stream and piezometer. At

the uppermost site Dance Hall, the temperature profile shows delays and damping with depth but does not

show penetration of the daily stream temperature oscillation. The temperatures in the piezometer mirror

the stream temperatures but on a scale of a few days. One explanation for a lack of penetration of the

daily stream oscillations is a low rate of conduction of the stream water into the sediments and/or the

presence of a low conductivity layer beneath the stream. Although the streamflow measurements show

gains between Dance Hall and Balsamroot, the temperature profiles and hydraulic gradient show that the

creek is losing near the instrumentation at Dance Hall. The next downgradient site Balsamroot was

modeled over a shorter period of time than the other sites because it wasn't instrumented until the end of

the study period. Temperatures were collected later in the summer while Lolo Creek was cooling off and

there was a smaller range in the daily stream temperatures. The groundwater temperatures show almost no change throughout the study period which could be due to the upward advection of groundwater or horizontal flow of groundwater. 1DTempPro was not able to calculate a hydraulic conductivity at this site which might have resulted from a combination of a slightly negative hydraulic gradient and almost no change in groundwater temperature. Holt/Hadnot exhibits a similar temperature profile to Dance Hall but with greater penetration of the surface water signal and a greater delay in temperature with depth. This pattern is generated from downward advection and conduction of surface water into groundwater. The lowest site in the study area Lewis and Clark, shows the most connectivity of surface water with groundwater. The piezometer temperatures show larger diurnal changes owing to an even greater rate of conduction and advection of surface water into groundwater. It is important to note that the piezometers in this study were installed on the side of the creek. Since the temperature profiles do not represent the conditions directly below the stream, the piezometers might not show the true signal from conduction and advection of surface water.
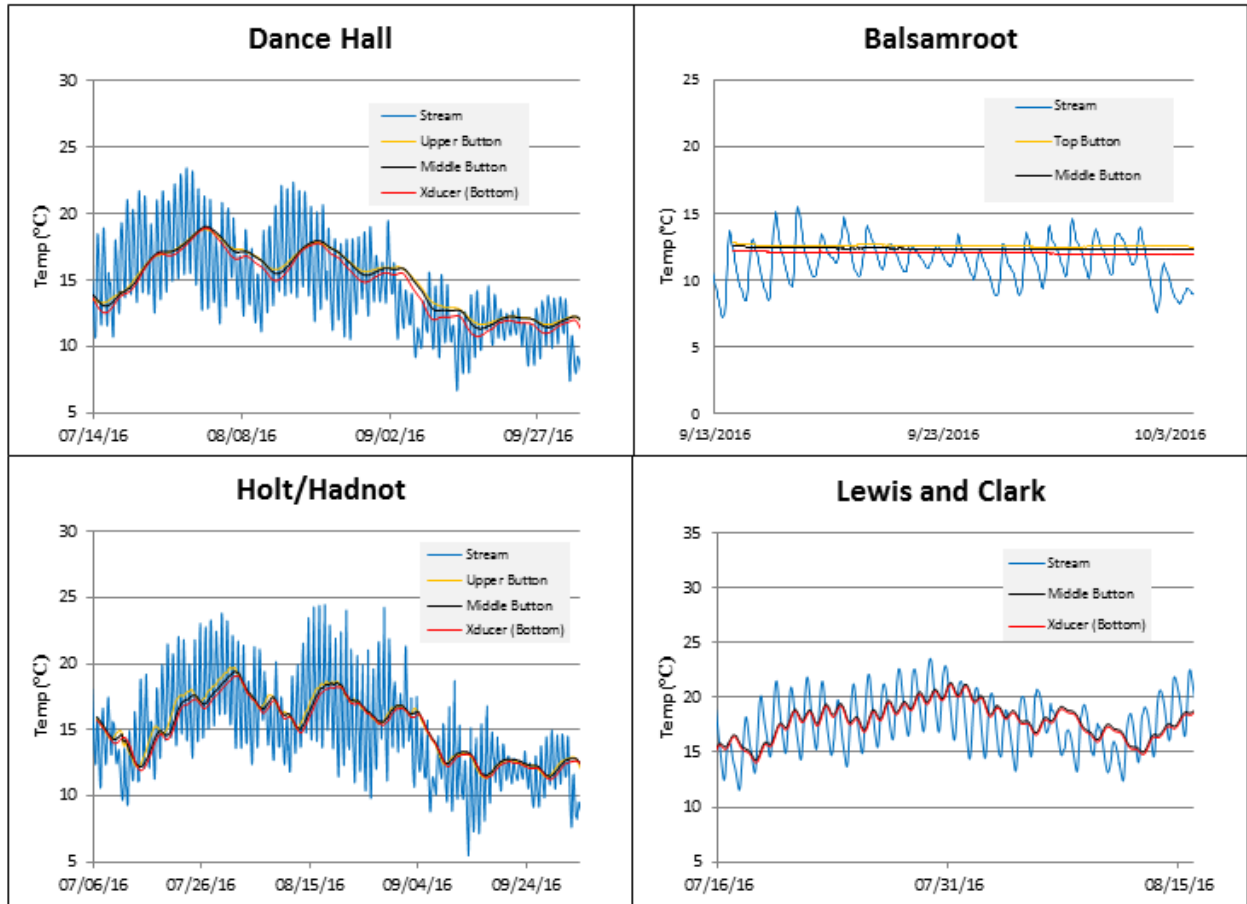
Figure 16: Thermographs for each site with stream and piezometer temperatures.
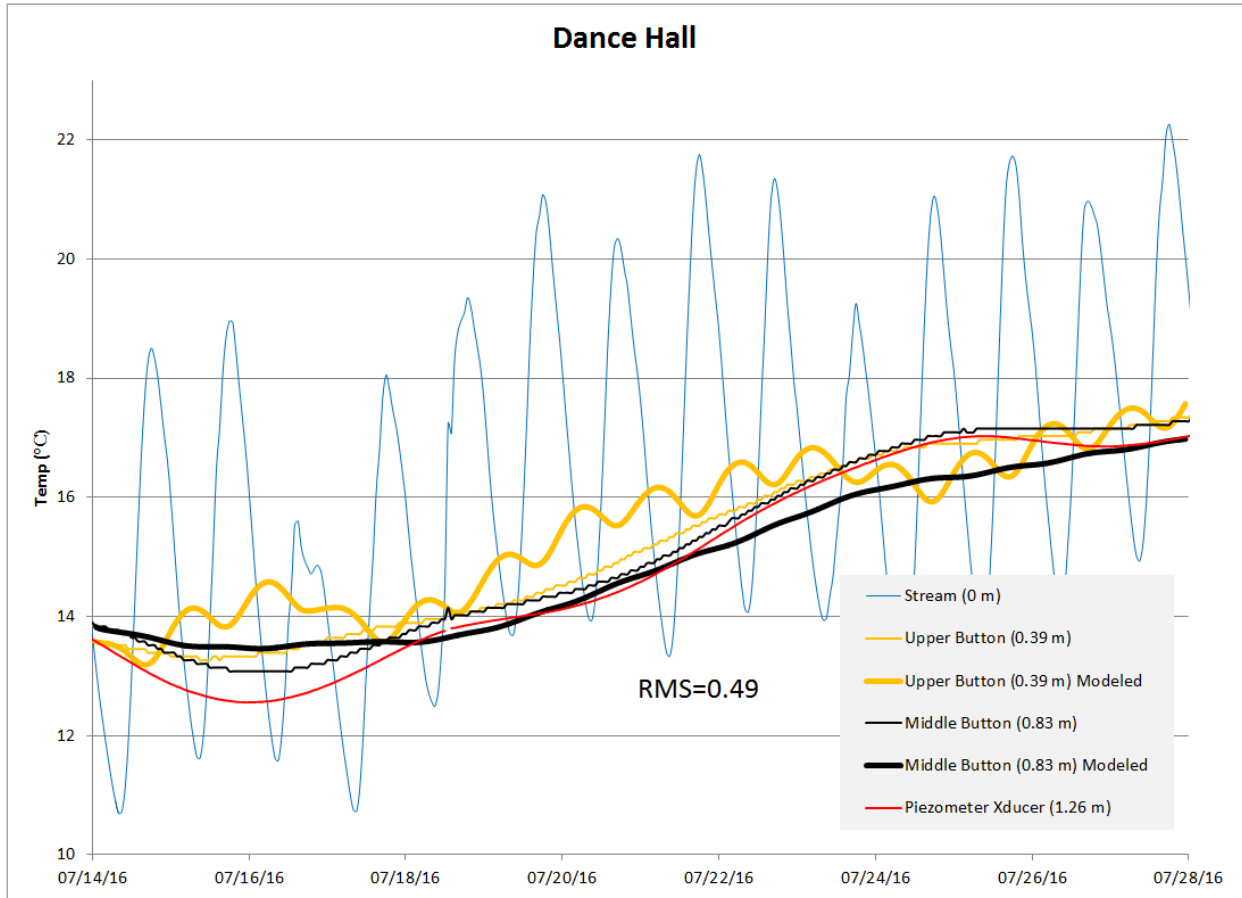
Figure 17: Two week thermograph of the Dance Hall site with modeled temperatures.
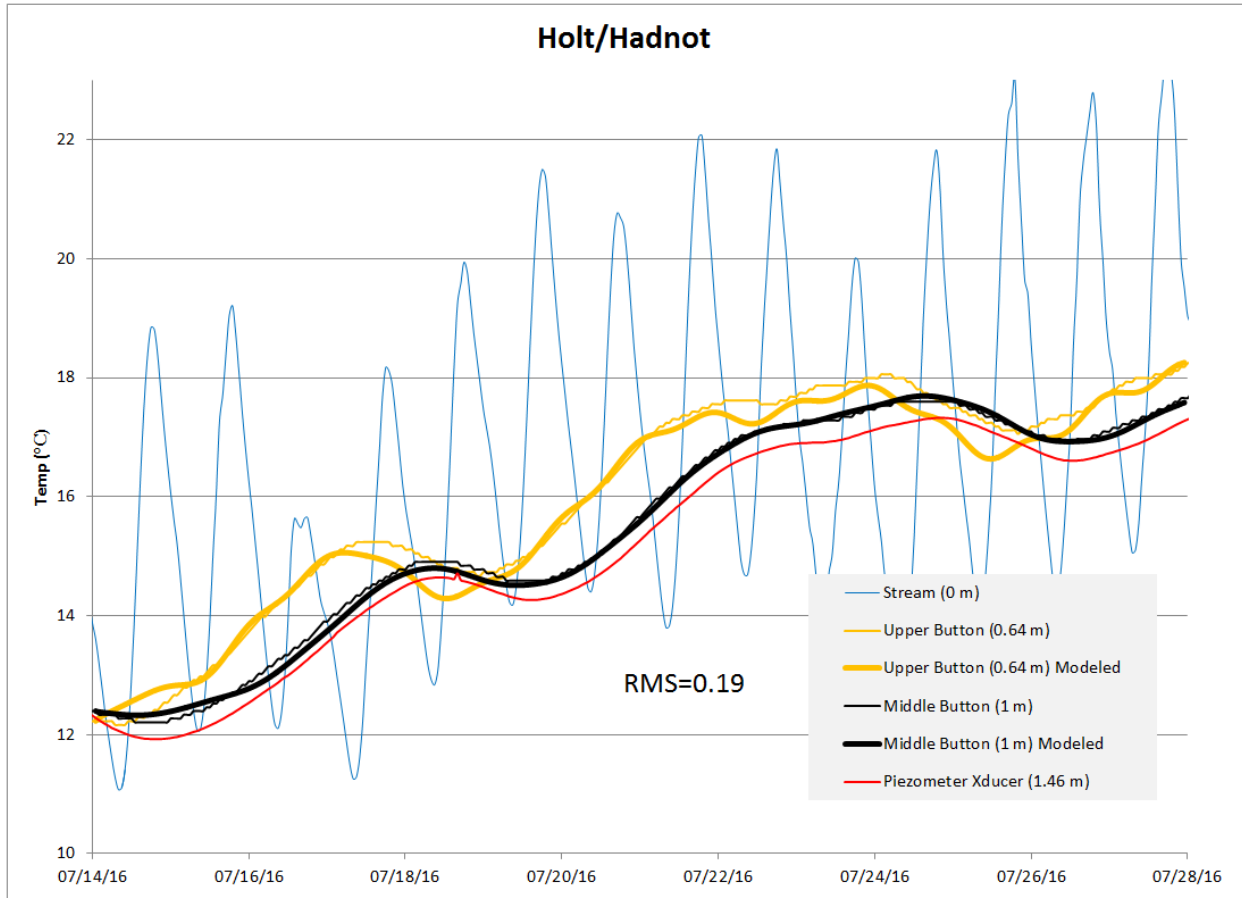
Figure 18: Two week thermograph of the Holt/Hadnot site with modeled temperatures.
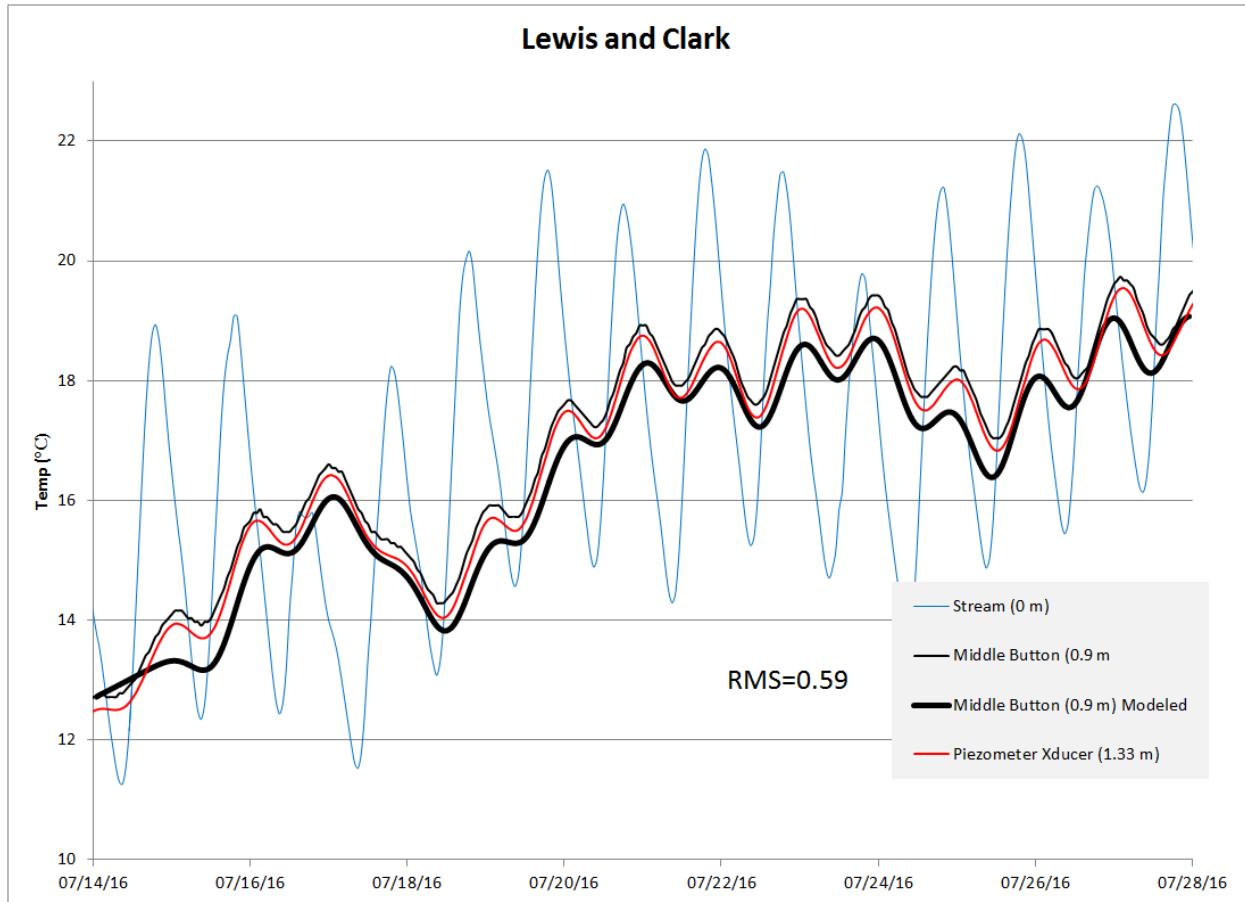
Figure 19: Two-week thermograph of the Lewis and Clark site with modeled temperatures.
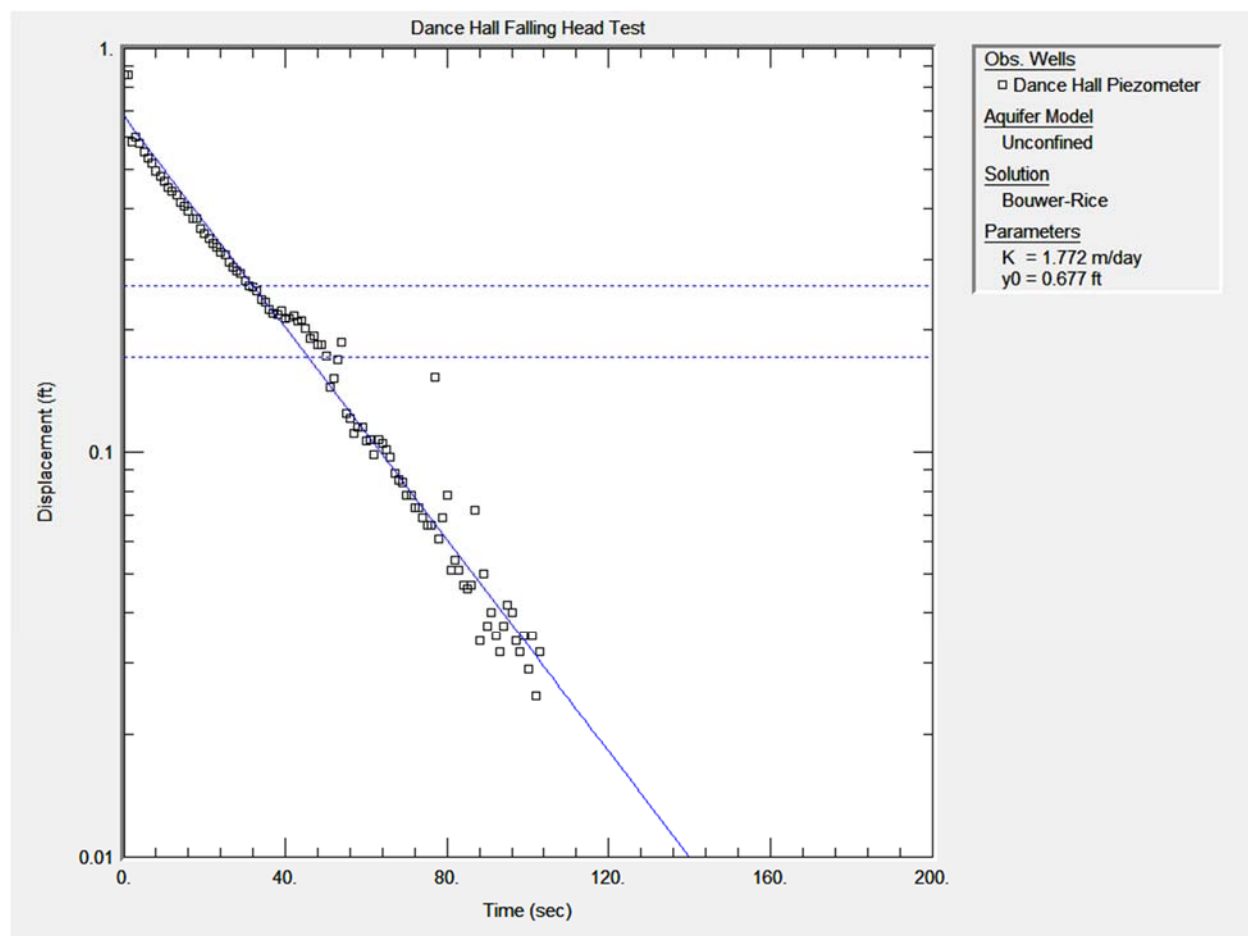
Figure 20: Falling head test (slug in) for the Dance Hall piezometer.
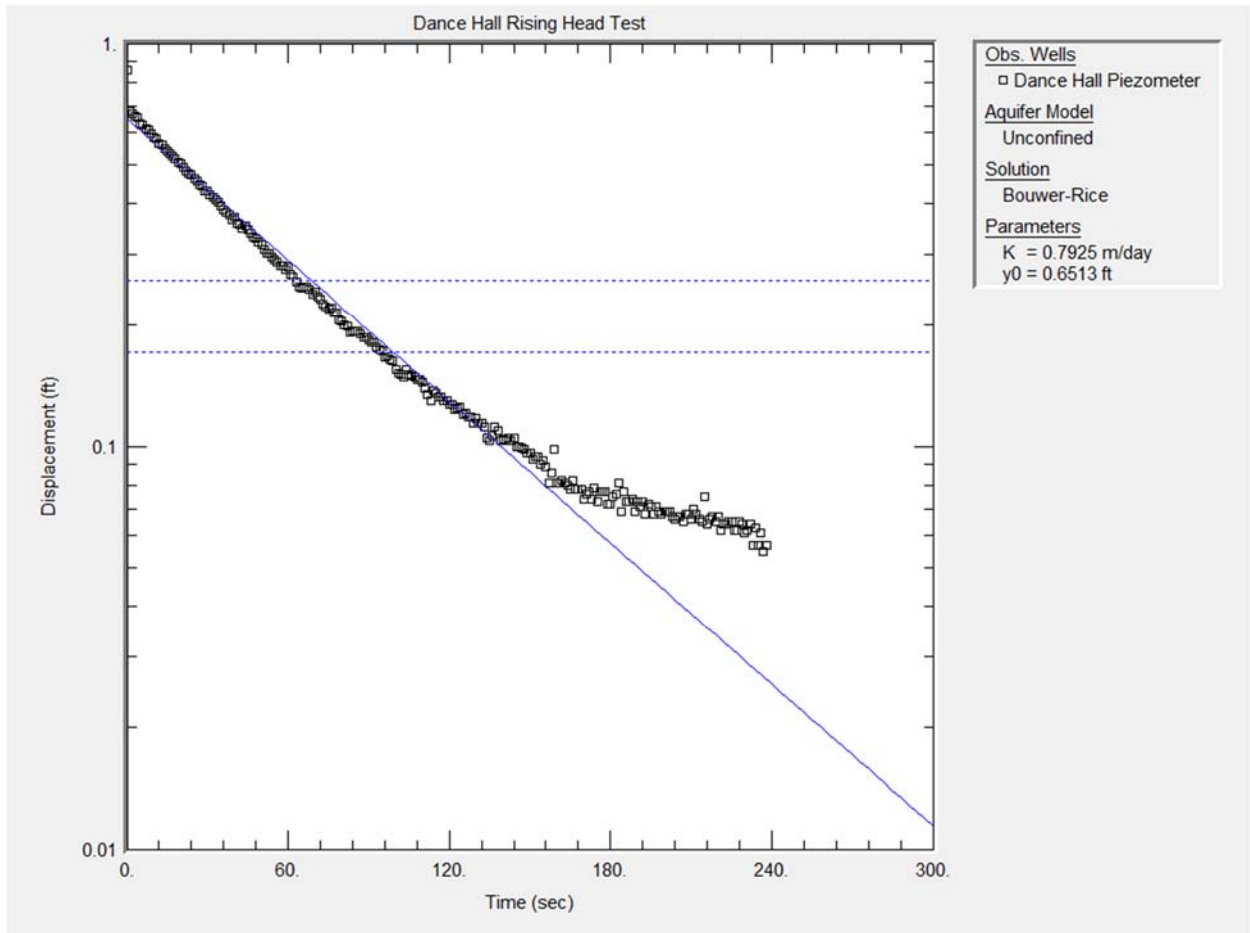
Figure 21: Rising head test (slug out) for the Dance Hall piezometer.
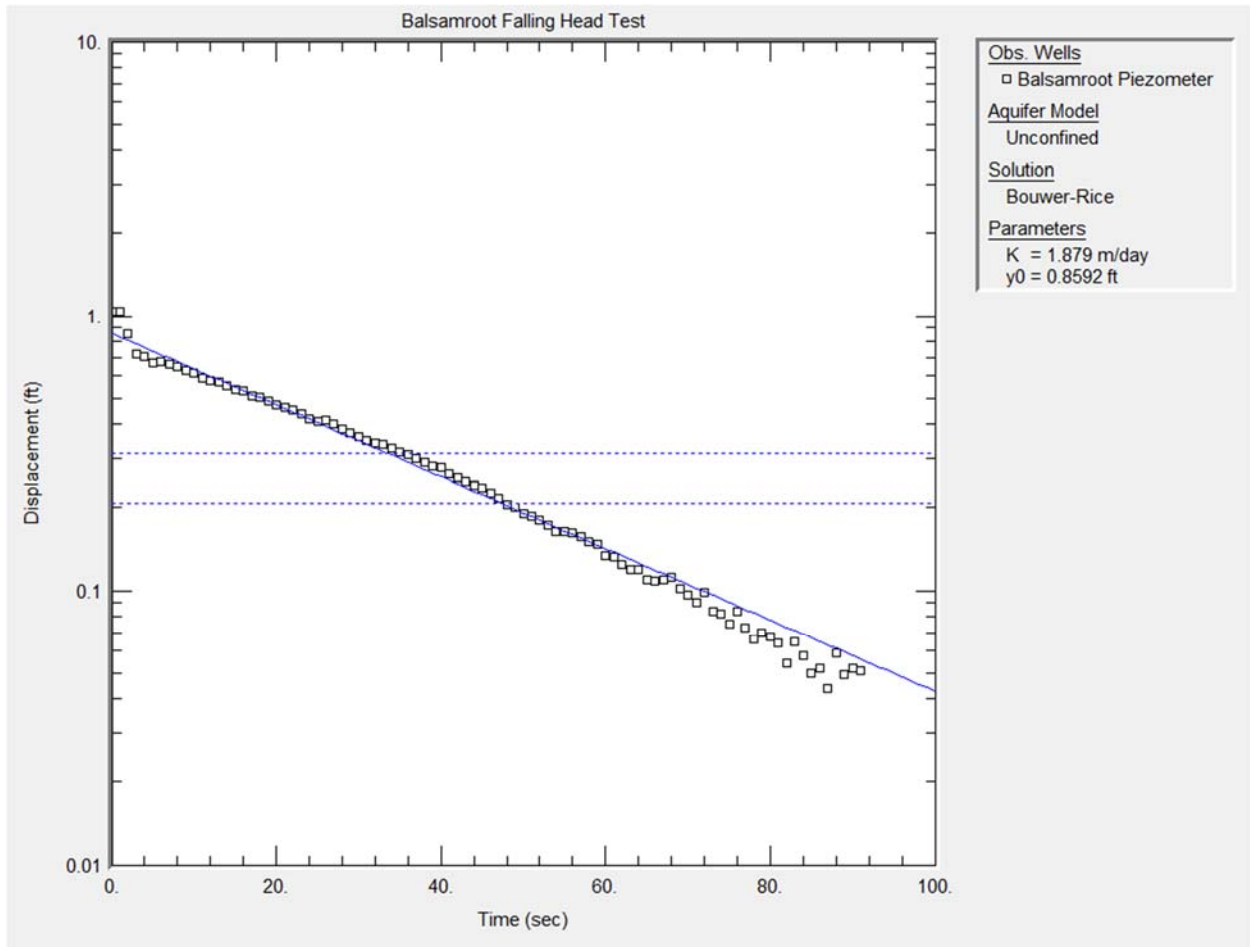
Figure 22: Falling head test (slug in) for the Balsamroot piezometer.
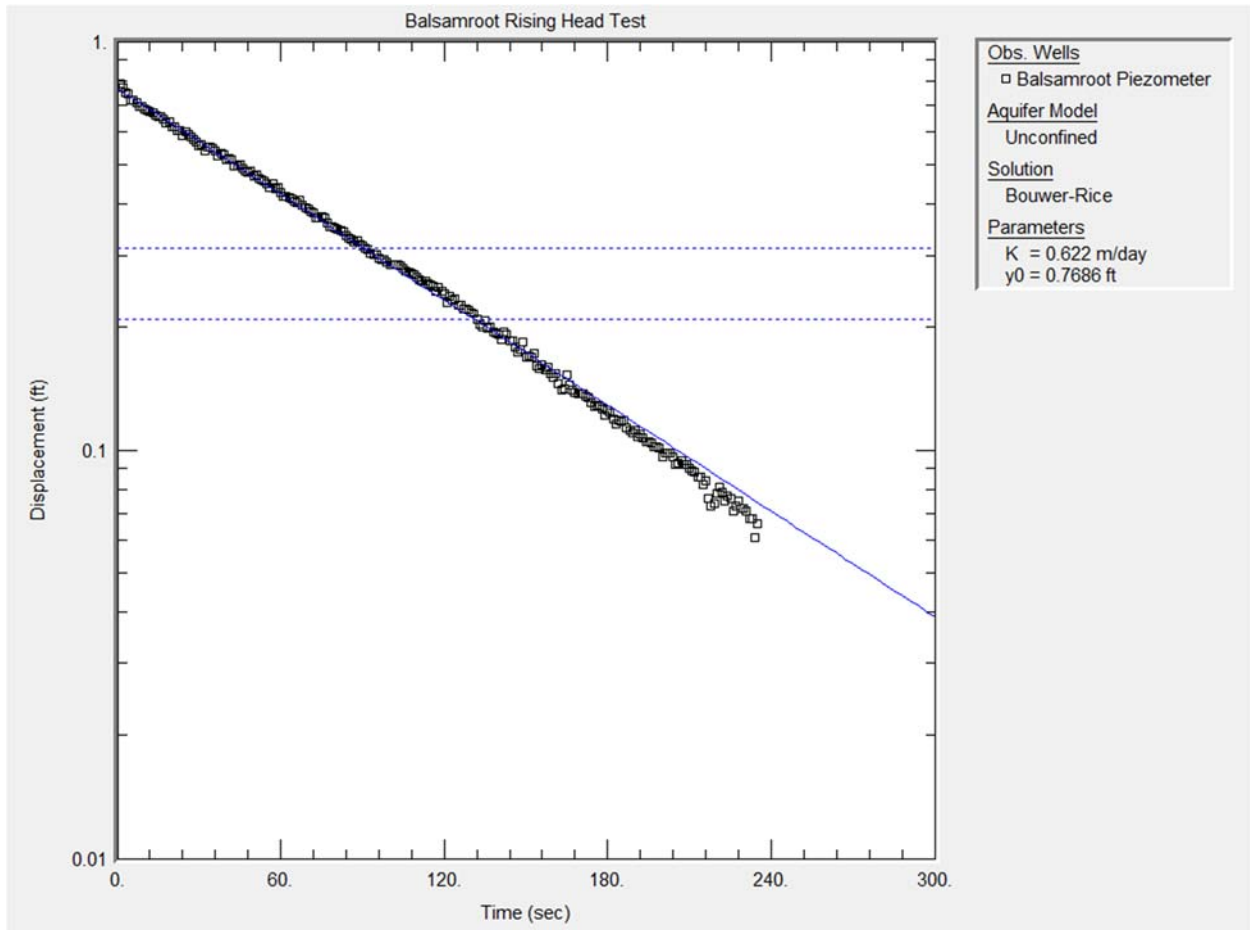
Figure 23: Rising head test (slug out) for the Balsamroot piezometer.
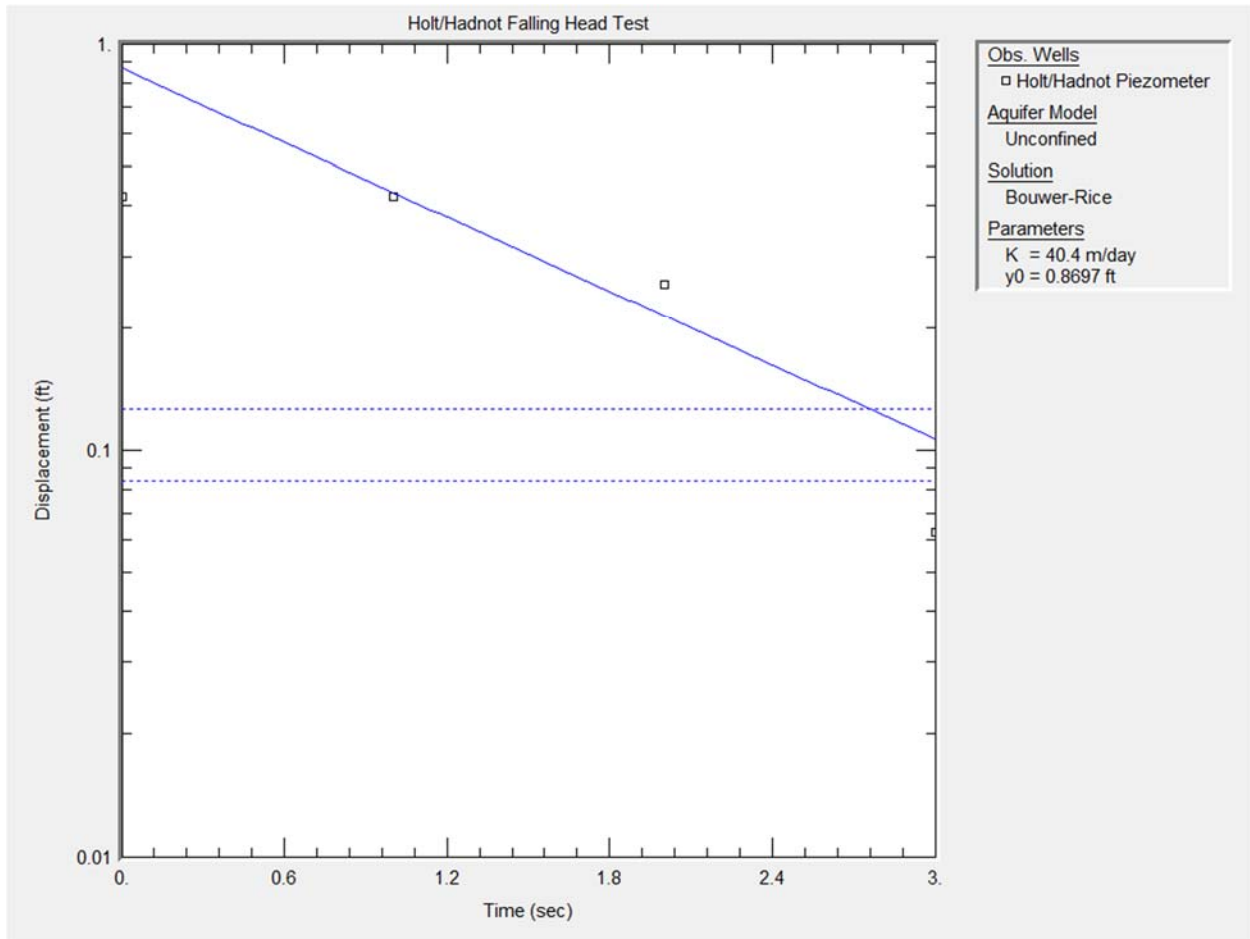
Figure 24: Falling head test (slug in) for the Holt/Hadnot piezometer.
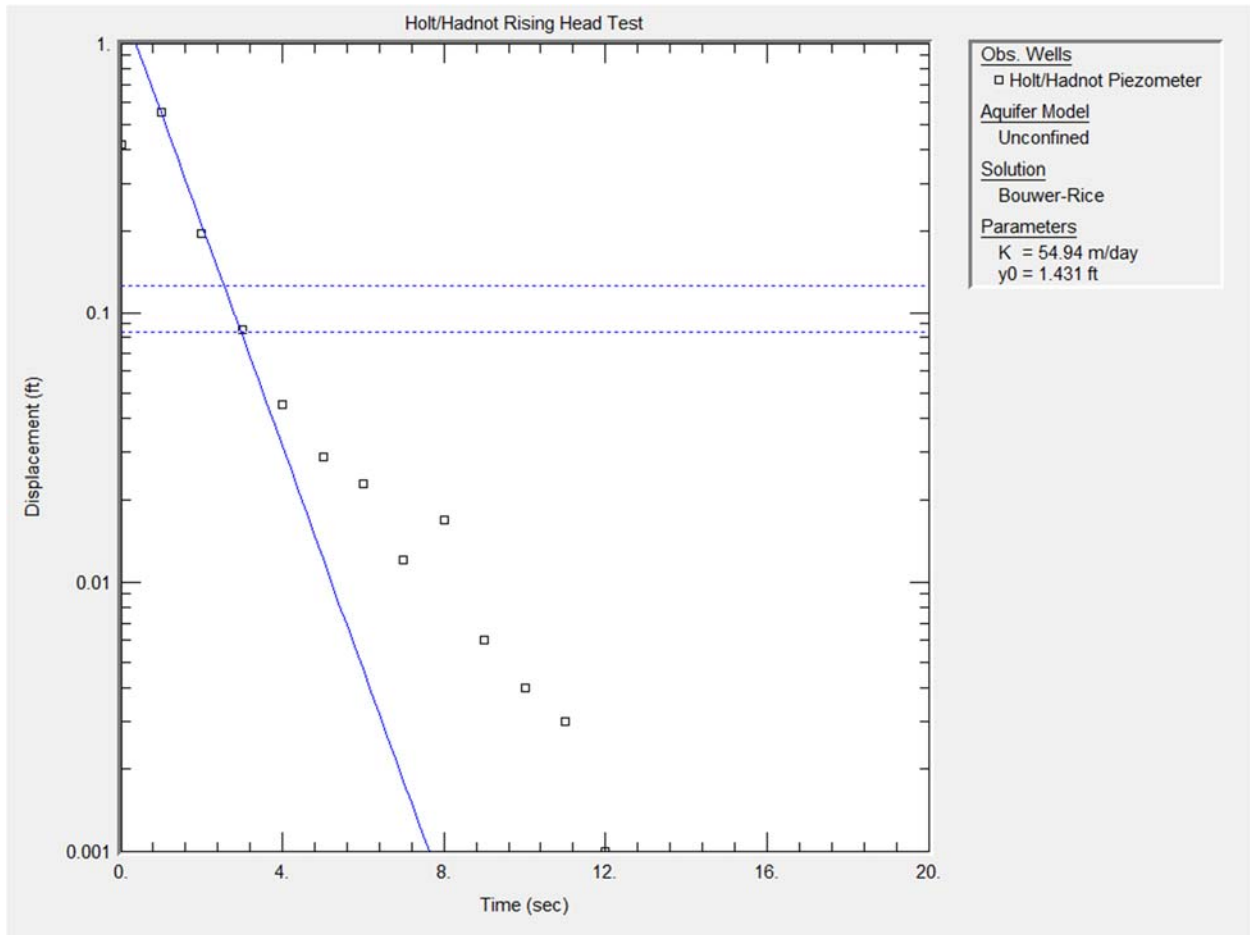
Figure 25: Rising head test (slug out) for the Holt/Hadnot piezometer.
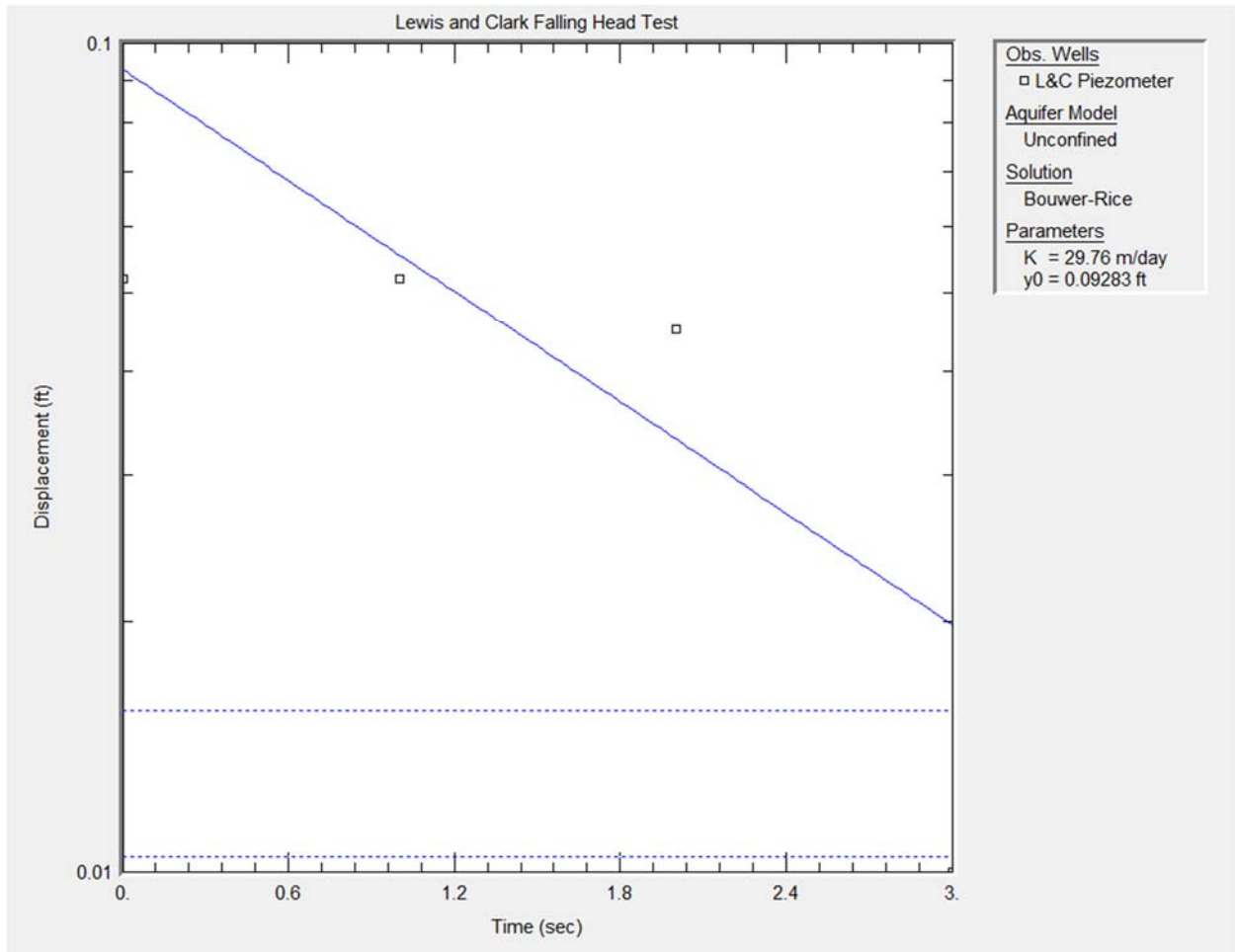
Figure 26: Falling head test (slug in) for the Lewis and Clark piezometer.
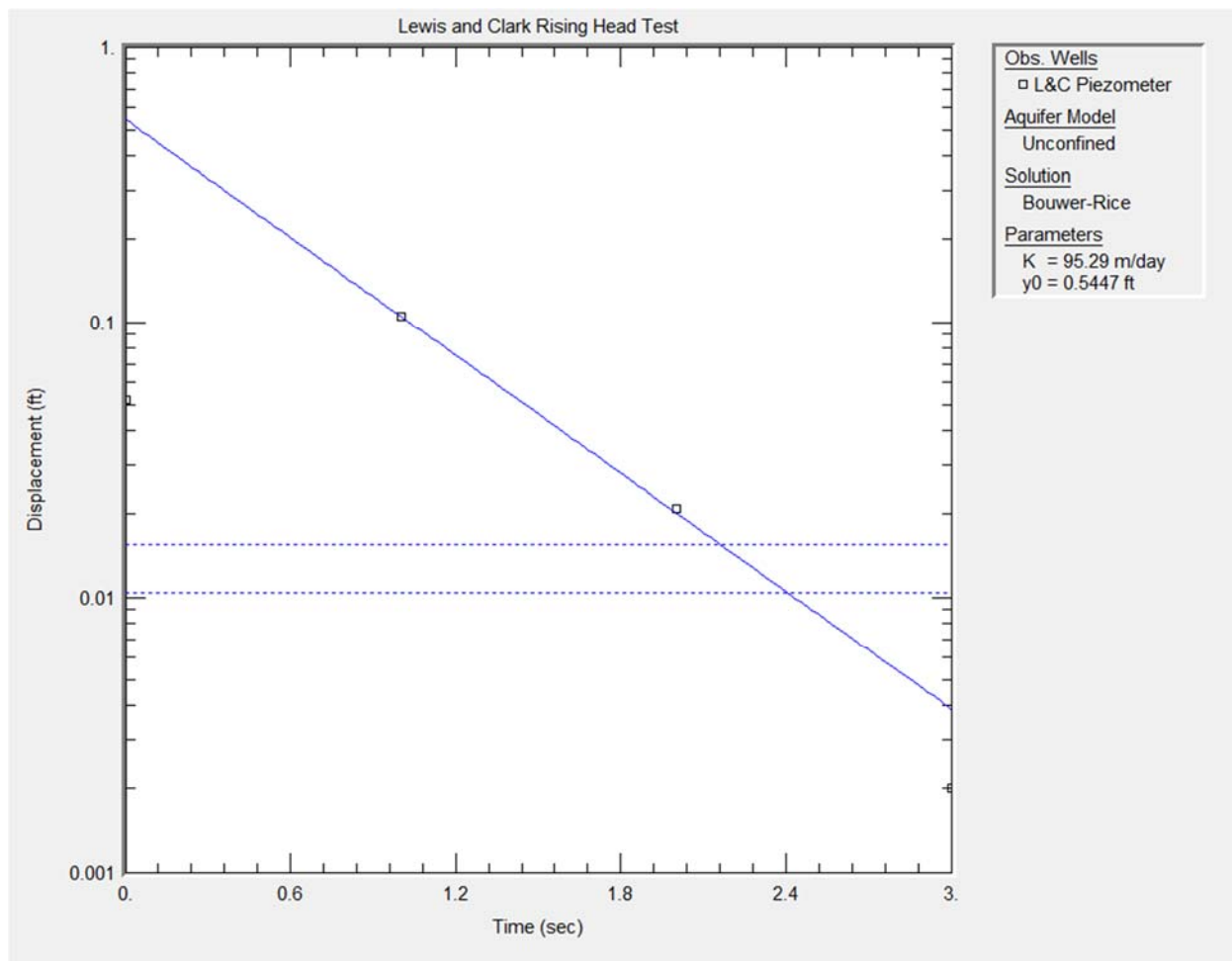
Figure 27: Rising head test (slug out) for the Lewis and Clark piezometer.

Site Name	Modeled Hydraulic Conductivity (1-D) (m/day)	Rising Head Hydraulic Conductivity (2-D) (m/day)	Falling Head Hydraulic Conductivity (2-D) (m/day)
Dance Hall	0.17	0.79	1.77
Balsamroot	N/A	0.62	1.88
Holt/Hadnot	1.0	54.9	40.4
Lewis and Clark	1.0	95.3	29.8

Table 2: Comparison between modeled hydraulic conductivity (vertical conductivity) and slug test calculated hydraulic conductivity (two-dimensional conductivity).

Radon Box Models

To solve for radon gas transfer velocities, groundwater was assumed to be inflowing between from Enochson to Landquist. From Enochson to Dance Hall, groundwater inflow was modeled as 4 cfs over this reach. From Dance Hall to Balsamroot and Balsamroot to Landquist, groundwater inflows were each modeled as 2.5 cfs over these reaches. The first sampling run on July 28th was inputted into the box model and reach 1 (Dance Hall to Balsamroot) had a gas transfer velocity of 29 cm/hr. The second reach (Balsamroot to Landquist) had a gas transfer velocity of 14.5 cm/hr. The second sampling run on August 16th focused on a finer sampling scale between Balsamroot and Landquist and calculated gas transfer velocities ranged from 3.5-66 cm/hr (Tables 3 and 4).

Location	Date	Distance Downstream (km)	Radon conc. (bq/L)	Radon conc. (pCi/L)	Width (m)	Depth (m)	Velocity (m/s)	SC (uS/cm)	T (°C)
Lolo Creek Samples									
Dance Hall	7/28/2016	1	0.87	23.6	11.70	0.66	0.19	72.9	16.0
Balsamroot	7/28/2016	1330	1.19	32.1	16.00	0.24	0.67	81.6	20.1
Landquist	7/28/2016	2803	1.72	46.6	12.19	0.18	0.46		
Holt Hadnot	7/28/2016	4513	1.20	32.5	12.19	0.27	0.55	102.0	19.8
Lewis and Clark	7/28/2016	6244	0.51	13.7	10.42	0.12	0.59	100.1	18.1
Enochson	8/16/2016	0	1.78	48.1	11.58	0.45	0.47	116.5	15.1
Dance Hall	8/16/2016	1858	1.19	32.2	13.72	0.10	0.48	120.8	16.8
Arleo	8/16/2016	2551	1.94	52.5	13.11	0.03	0.66	120.0	18.3
Balsamroot	8/16/2016	3190	2.18	58.9	15.09	0.06	0.61	121.0	20.3
Above Mormon Creek	8/16/2016	4050	2.96	80.1	7.47	0.26	0.52	120.0	20.1
Below Mormon Creek	8/16/2016	4385	3.40	91.8	7.92	0.79	0.34	121.7	21.8
Landquist	8/16/2016	4663	2.00	55	11.09	0.08	0.29	122.5	22.0
Weinmann	8/16/2016	5464	2.30	61	7.32	0.13	0.46	120.0	21.7
Groundwater Samples									
Steigler	7/20/2016		26.75	723					
Norgaard	7/28/2016		24.94	674					
Arleo	7/28/2016		29.08	786					
Enochson	8/16/2016		26.27	710					

Table 3: Table showing the parameters collected at each site for the radon sampling runs.

Reach	Reach Length (m)	I (m³/m/day)	k (m/day)	k (cm/hr)
		7/28/2016		
1	1330	4.6	6.9	29.0
2	1473	4.15	3.5	14.5
		8/16/2016		
Reach	Reach Length (m)	I (m³/m/day)	k (m/day)	k (cm/hr)
1	1858	5.26	11.2	46.6
2	693	4.59	3.3	13.6
3	639	4.59	4.0	16.6
4	860	4.15	1.7	7.0
5	335	4.15	0.8	3.5
6	278	4.15	15.9	66.4

Table 4: Table showing the calculated gas transfer velocities (k) for gaining reaches.

Calculated radon-222 gas transfer velocities for each reach are low compared to literature values for smaller streams (Genereux et al 1992) and values calculated at another Montana stream (Machinal 2016). The radon-222 gas transfer velocities calculated by Machinal, 2016 ranged from 20-35 m/day for a total reach length of 0.34 km. Another radon-222 study was completed by Shaw, 2009 over a 17.3 km reach of the Merced River in Yosemite Valley, California. The gas transfer velocities calculated for the Merced River were an average of 0.75 m/day. A main reason why this studies values are comparatively low could be due to long reaches combined with sparse radon measurements. Since radon can degas relatively quickly, it is important to collect samples at the exact location where groundwater may be discharging to surface water.

Conclusions

Incremental streamflow, one-dimensional temperature gradients, hydraulic gradients, and radon-222 were all used in this study and provided different ways of examining groundwater surface-water interactions in Lolo Creek. The incremental streamflow data showed that there were gains from Dance

Hall to Balsamroot and losses from Balsamroot to Lewis and Clark. The estimates based on temperature

data agrees well for the lowest two sites, which had the greatest negative flux values and also experienced

the most surface water loss to groundwater. The two uppermost sites (Dance Hall and Balsamroot)

showed some differences between estimates determined from the temperature data and incremental

streamflow. Although streamflow data showed gains between these sites, it could be due to leakage from

a ditch that draws water from upstream of the study area. While measurement occurs at the ditch

headgate, the ditch is currently unmeasured at any point below the headgate. Modeled hydraulic

conductivity increases downstream where hydraulic gradients and fluxes were the greatest. Although the

incremental streamflow showed losses between Balsamroot and Holt/Hadnot, the radon sampling showed

elevated concentrations between these two sites. While the reach may be under a net loss of surface water

to groundwater, there may be locations where groundwater is discharging. Where the creek seems to be

losing, radon concentrations were low (<20 pCi/L) or were decreasing downstream. The geology and

hydraulic gradient seem to be the controlling factors where Lolo Creek is losing. As the valley widens

downstream and coarser grained channel deposits become more prevalent, the hydraulic gradient also

increases. Coarser grained material and higher hydraulic gradient are the most important factors in

determining flux.

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Appendix I

(Surface water and groundwater data that are available through GWIC)

Site Name	GWIC ID	Link
Dance Hall Staff Gage	288112	http://mbmggwic.mtech.edu/sqlserver/v11/reports/StreamSummary.asp?gwicid=288112&reqby=&
Dance Hall Piezometer	288231	http://mbmggwic.mtech.edu/sqlserver/v11/reports/SiteSummary.asp?gwicid=288231&
Balsamroot Staff Gage	288111	http://mbmggwic.mtech.edu/sqlserver/v11/reports/StreamSummary.asp?gwicid=288111&reqby=&
Balsamroot Piezometer	289024	http://mbmggwic.mtech.edu/sqlserver/v11/reports/SiteSummary.asp?gwicid=289024&
Holt/Hadnot Staff Gage	288131	http://mbmggwic.mtech.edu/sqlserver/v11/reports/StreamSummary.asp?gwicid=288131&reqby=&
Holt/Hadnot Piezometer	288230	http://mbmggwic.mtech.edu/sqlserver/v11/reports/SiteSummary.asp?gwicid=288230&
Lewis and Clark Staff Gage	288113	http://mbmggwic.mtech.edu/sqlserver/v11/reports/StreamSummary.asp?gwicid=288113&reqby=&
Lewis and Clark Piezometer	288234	http://mbmggwic.mtech.edu/sqlserver/v11/reports/SiteSummary.asp?gwicid=288234&

Appendix II

(Temperature data)

Dance Hall

Date/Time	Depths Below the Streambed			
	0	0.39	0.83	1.26
	Temperature (°C)			
7/14/2016 0:00	13.689	13.581	13.895	13.611
7/14/2016 1:00	13.175	13.581	13.833	13.584
7/14/2016 2:00	12.707	13.581	13.833	13.551
7/14/2016 3:00	12.3	13.581	13.833	13.519
7/14/2016 4:00	11.91	13.518	13.833	13.485
7/14/2016 5:00	11.552	13.581	13.77	13.451
7/14/2016 6:00	11.208	13.518	13.77	13.417
7/14/2016 7:00	10.912	13.518	13.77	13.384
7/14/2016 8:00	10.697	13.518	13.77	13.352
7/14/2016 9:00	10.722	13.518	13.707	13.317
7/14/2016 10:00	11.113	13.518	13.707	13.288
7/14/2016 11:00	11.91	13.455	13.707	13.253
7/14/2016 12:00	13.019	13.455	13.645	13.221
7/14/2016 13:00	14.261	13.455	13.645	13.189
7/14/2016 14:00	15.553	13.455	13.582	13.155
7/14/2016 15:00	16.723	13.455	13.582	13.122
7/14/2016 16:00	17.656	13.455	13.582	13.096
7/14/2016 17:00	18.272	13.392	13.519	13.063
7/14/2016 18:00	18.502	13.392	13.519	13.033
7/14/2016 19:00	18.348	13.392	13.519	13.004
7/14/2016 20:00	18.026	13.392	13.457	12.977
7/14/2016 21:00	17.555	13.392	13.457	12.948
7/14/2016 22:00	17.05	13.392	13.394	12.921
7/14/2016 23:00	16.611	13.392	13.394	12.894
7/15/2016 0:00	15.992	13.33	13.394	12.868
7/15/2016 1:00	15.244	13.33	13.394	12.846
7/15/2016 2:00	14.504	13.33	13.331	12.823
7/15/2016 3:00	13.835	13.33	13.331	12.803
7/15/2016 4:00	13.26	13.33	13.269	12.778
7/15/2016 5:00	12.759	13.33	13.269	12.757
7/15/2016 6:00	12.306	13.33	13.269	12.74
7/15/2016 7:00	11.928	13.33	13.269	12.723
7/15/2016 8:00	11.646	13.33	13.206	12.706

7/15/2016 9:00	11.626	13.267	13.206	12.691
7/15/2016 10:00	11.988	13.267	13.206	12.674
7/15/2016 11:00	12.751	13.267	13.206	12.658
7/15/2016 12:00	13.925	13.267	13.143	12.644
7/15/2016 13:00	15.13	13.33	13.143	12.631
7/15/2016 14:00	16.484	13.33	13.143	12.618
7/15/2016 15:00	17.165	13.267	13.143	12.607
7/15/2016 16:00	18.122	13.33	13.143	12.599
7/15/2016 17:00	18.715	13.33	13.143	12.589
7/15/2016 18:00	18.956	13.33	13.08	12.583
7/15/2016 19:00	18.934	13.33	13.08	12.575
7/15/2016 20:00	18.437	13.33	13.08	12.568
7/15/2016 21:00	17.852	13.33	13.08	12.563
7/15/2016 22:00	17.316	13.33	13.08	12.563
7/15/2016 23:00	16.77	13.33	13.08	12.558
7/16/2016 0:00	16.105	13.33	13.08	12.56
7/16/2016 1:00	15.374	13.33	13.08	12.559
7/16/2016 2:00	14.628	13.33	13.08	12.563
7/16/2016 3:00	13.971	13.392	13.08	12.565
7/16/2016 4:00	13.385	13.392	13.08	12.566
7/16/2016 5:00	12.835	13.392	13.08	12.575
7/16/2016 6:00	12.353	13.392	13.08	12.577
7/16/2016 7:00	11.928	13.392	13.08	12.586
7/16/2016 8:00	11.622	13.392	13.08	12.592
7/16/2016 9:00	11.584	13.392	13.08	12.603
7/16/2016 10:00	11.997	13.392	13.08	12.612
7/16/2016 11:00	12.761	13.392	13.08	12.625
7/16/2016 12:00	13.824	13.455	13.08	12.639
7/16/2016 13:00	14.511	13.455	13.08	12.649
7/16/2016 14:00	15.532	13.455	13.143	12.664
7/16/2016 15:00	15.6	13.455	13.143	12.679
7/16/2016 16:00	15.167	13.518	13.143	12.692
7/16/2016 17:00	14.947	13.518	13.143	12.708
7/16/2016 18:00	14.824	13.518	13.143	12.725
7/16/2016 19:00	14.714	13.518	13.206	12.743
7/16/2016 20:00	14.801	13.581	13.206	12.766
7/16/2016 21:00	14.86	13.581	13.206	12.78
7/16/2016 22:00	14.762	13.581	13.206	12.803
7/16/2016 23:00	14.447	13.581	13.206	12.825
7/17/2016 0:00	13.977	13.643	13.269	12.848
7/17/2016 1:00	13.53	13.643	13.269	12.868

7/17/2016 2:00	13.08	13.643	13.269	12.89
7/17/2016 3:00	12.622	13.643	13.269	12.914
7/17/2016 4:00	12.169	13.643	13.331	12.941
7/17/2016 5:00	11.742	13.643	13.331	12.965
7/17/2016 6:00	11.375	13.706	13.331	12.989
7/17/2016 7:00	11.012	13.706	13.394	13.017
7/17/2016 8:00	10.75	13.706	13.394	13.042
7/17/2016 9:00	10.736	13.706	13.394	13.069
7/17/2016 10:00	11.163	13.706	13.457	13.095
7/17/2016 11:00	12.033	13.769	13.457	13.122
7/17/2016 12:00	13.143	13.769	13.457	13.147
7/17/2016 13:00	14.123	13.769	13.457	13.178
7/17/2016 14:00	15.012	13.769	13.519	13.206
7/17/2016 15:00	16.122	13.831	13.519	13.236
7/17/2016 16:00	16.809	13.831	13.519	13.259
7/17/2016 17:00	17.688	13.831	13.582	13.293
7/17/2016 18:00	18.052	13.831	13.582	13.321
7/17/2016 19:00	17.824	13.831	13.645	13.35
7/17/2016 20:00	17.482	13.831	13.645	13.376
7/17/2016 21:00	17.215	13.831	13.645	13.404
7/17/2016 22:00	16.856	13.894	13.645	13.432
7/17/2016 23:00	16.431	13.894	13.707	13.46
7/18/2016 0:00	15.955	13.894	13.707	13.485
7/18/2016 1:00	15.357	13.894	13.77	13.514
7/18/2016 2:00	14.831	13.894	13.77	13.537
7/18/2016 3:00	14.35	13.894	13.77	13.563
7/18/2016 4:00	13.87	13.894	13.833	13.59
7/18/2016 5:00	13.396	13.894	13.833	13.614
7/18/2016 6:00	12.998	13.957	13.833	13.637
7/18/2016 7:00	12.728	13.957	13.833	13.66
7/18/2016 8:00	12.568	13.957	13.895	13.683
7/18/2016 9:00	12.497	13.957	13.895	13.704
7/18/2016 10:00	12.743	13.957	13.895	13.725
7/18/2016 11:00	13.449	13.957	13.958	13.743
7/18/2016 12:00	14.46	13.957	13.958	13.758
7/18/2016 13:00	17.242	14.145	14.146	13.781
7/18/2016 14:00	17.065	14.02	13.958	13.804
7/18/2016 15:00	18.317	14.02	14.021	13.81
7/18/2016 16:00	18.782	14.02	14.021	13.821
7/18/2016 17:00	18.966	14.082	14.021	13.835
7/18/2016 18:00	19.103	14.082	14.021	13.847

7/18/2016 19:00	19.351	14.082	14.021	13.857
7/18/2016 20:00	19.192	14.082	14.083	13.867
7/18/2016 21:00	18.841	14.082	14.083	13.878
7/18/2016 22:00	18.528	14.082	14.083	13.887
7/18/2016 23:00	18.15	14.145	14.083	13.898
7/19/2016 0:00	17.623	14.145	14.083	13.906
7/19/2016 1:00	16.926	14.145	14.146	13.917
7/19/2016 2:00	16.212	14.145	14.146	13.925
7/19/2016 3:00	15.645	14.145	14.146	13.936
7/19/2016 4:00	15.155	14.208	14.146	13.941
7/19/2016 5:00	14.7	14.208	14.146	13.952
7/19/2016 6:00	14.313	14.208	14.146	13.961
7/19/2016 7:00	13.946	14.208	14.209	13.966
7/19/2016 8:00	13.709	14.208	14.209	13.977
7/19/2016 9:00	13.692	14.27	14.209	13.985
7/19/2016 10:00	14.041	14.27	14.209	13.993
7/19/2016 11:00	14.792	14.27	14.209	14.001
7/19/2016 12:00	15.861	14.27	14.209	14.009
7/19/2016 13:00	17.118	14.333	14.272	14.018
7/19/2016 14:00	18.505	14.333	14.272	14.026
7/19/2016 15:00	19.601	14.333	14.272	14.033
7/19/2016 16:00	20.427	14.396	14.272	14.04
7/19/2016 17:00	20.73	14.396	14.272	14.055
7/19/2016 18:00	21.077	14.396	14.334	14.06
7/19/2016 19:00	20.95	14.459	14.334	14.069
7/19/2016 20:00	20.495	14.459	14.334	14.081
7/19/2016 21:00	19.871	14.459	14.334	14.088
7/19/2016 22:00	19.289	14.521	14.334	14.101
7/19/2016 23:00	18.738	14.521	14.397	14.111
7/20/2016 0:00	18.142	14.521	14.397	14.124
7/20/2016 1:00	17.454	14.521	14.397	14.138
7/20/2016 2:00	16.82	14.584	14.397	14.149
7/20/2016 3:00	16.171	14.584	14.397	14.163
7/20/2016 4:00	15.593	14.584	14.46	14.18
7/20/2016 5:00	15.101	14.647	14.46	14.192
7/20/2016 6:00	14.633	14.647	14.46	14.207
7/20/2016 7:00	14.271	14.647	14.46	14.224
7/20/2016 8:00	13.983	14.709	14.522	14.238
7/20/2016 9:00	13.929	14.709	14.522	14.255
7/20/2016 10:00	14.234	14.709	14.522	14.273
7/20/2016 11:00	14.976	14.772	14.585	14.292

7/20/2016 12:00	16.019	14.772	14.585	14.313
7/20/2016 13:00	17.29	14.835	14.585	14.33
7/20/2016 14:00	18.599	14.835	14.585	14.348
7/20/2016 15:00	19.59	14.835	14.648	14.371
7/20/2016 16:00	20.219	14.897	14.648	14.392
7/20/2016 17:00	20.347	14.897	14.648	14.413
7/20/2016 18:00	20.181	14.96	14.71	14.436
7/20/2016 19:00	19.831	14.96	14.71	14.459
7/20/2016 20:00	19.538	15.023	14.71	14.484
7/20/2016 21:00	19.017	15.023	14.773	14.505
7/20/2016 22:00	18.517	15.086	14.773	14.533
7/20/2016 23:00	18.104	15.086	14.773	14.56
7/21/2016 0:00	17.597	15.086	14.836	14.582
7/21/2016 1:00	16.993	15.148	14.836	14.611
7/21/2016 2:00	16.298	15.148	14.898	14.639
7/21/2016 3:00	15.654	15.148	14.898	14.668
7/21/2016 4:00	15.092	15.211	14.898	14.697
7/21/2016 5:00	14.565	15.211	14.961	14.727
7/21/2016 6:00	14.104	15.274	14.961	14.758
7/21/2016 7:00	13.699	15.274	15.024	14.79
7/21/2016 8:00	13.388	15.274	15.024	14.818
7/21/2016 9:00	13.337	15.336	15.024	14.85
7/21/2016 10:00	13.693	15.336	15.086	14.882
7/21/2016 11:00	14.497	15.399	15.086	14.913
7/21/2016 12:00	15.589	15.399	15.149	14.941
7/21/2016 13:00	16.938	15.399	15.149	14.975
7/21/2016 14:00	18.354	15.462	15.212	15.009
7/21/2016 15:00	19.599	15.462	15.212	15.042
7/21/2016 16:00	20.735	15.524	15.274	15.076
7/21/2016 17:00	21.483	15.524	15.274	15.111
7/21/2016 18:00	21.753	15.524	15.337	15.145
7/21/2016 19:00	21.493	15.587	15.337	15.177
7/21/2016 20:00	21.002	15.587	15.4	15.216
7/21/2016 21:00	20.398	15.65	15.4	15.252
7/21/2016 22:00	19.846	15.65	15.462	15.286
7/21/2016 23:00	19.333	15.65	15.462	15.318
7/22/2016 0:00	18.803	15.712	15.525	15.354
7/22/2016 1:00	18.12	15.712	15.525	15.391
7/22/2016 2:00	17.417	15.712	15.525	15.425
7/22/2016 3:00	16.732	15.775	15.588	15.456
7/22/2016 4:00	16.113	15.775	15.65	15.491

7/22/2016 5:00	15.534	15.775	15.65	15.526
7/22/2016 6:00	15.004	15.838	15.65	15.561
7/22/2016 7:00	14.503	15.838	15.713	15.592
7/22/2016 8:00	14.128	15.838	15.713	15.626
7/22/2016 9:00	14.072	15.9	15.776	15.658
7/22/2016 10:00	14.412	15.9	15.776	15.688
7/22/2016 11:00	15.206	15.9	15.838	15.718
7/22/2016 12:00	16.293	15.963	15.838	15.751
7/22/2016 13:00	17.624	15.963	15.901	15.782
7/22/2016 14:00	18.794	16.026	15.901	15.81
7/22/2016 15:00	20.07	16.026	15.901	15.841
7/22/2016 16:00	21.018	16.026	15.963	15.869
7/22/2016 17:00	21.353	16.088	15.963	15.898
7/22/2016 18:00	21.142	16.088	16.026	15.927
7/22/2016 19:00	20.645	16.151	16.026	15.956
7/22/2016 20:00	19.958	16.151	16.089	15.983
7/22/2016 21:00	19.233	16.214	16.089	16.01
7/22/2016 22:00	18.609	16.214	16.151	16.035
7/22/2016 23:00	17.948	16.214	16.151	16.065
7/23/2016 0:00	17.46	16.277	16.151	16.087
7/23/2016 1:00	16.893	16.277	16.214	16.116
7/23/2016 2:00	16.297	16.277	16.214	16.141
7/23/2016 3:00	15.756	16.277	16.277	16.165
7/23/2016 4:00	15.256	16.339	16.277	16.19
7/23/2016 5:00	14.809	16.339	16.277	16.213
7/23/2016 6:00	14.437	16.339	16.339	16.238
7/23/2016 7:00	14.129	16.402	16.339	16.261
7/23/2016 8:00	13.937	16.402	16.339	16.285
7/23/2016 9:00	13.972	16.402	16.402	16.308
7/23/2016 10:00	14.343	16.465	16.402	16.329
7/23/2016 11:00	14.682	16.465	16.465	16.354
7/23/2016 12:00	15.292	16.465	16.465	16.374
7/23/2016 13:00	15.865	16.527	16.465	16.397
7/23/2016 14:00	16.538	16.527	16.527	16.419
7/23/2016 15:00	17.664	16.527	16.527	16.441
7/23/2016 16:00	18.057	16.59	16.59	16.461
7/23/2016 17:00	18.742	16.59	16.59	16.485
7/23/2016 18:00	19.252	16.59	16.59	16.504
7/23/2016 19:00	18.928	16.653	16.653	16.523
7/23/2016 20:00	18.571	16.653	16.653	16.548
7/23/2016 21:00	18.124	16.653	16.653	16.568

7/23/2016 22:00	17.698	16.653	16.715	16.585
7/23/2016 23:00	17.192	16.715	16.715	16.608
7/24/2016 0:00	16.704	16.715	16.715	16.626
7/24/2016 1:00	16.186	16.715	16.778	16.647
7/24/2016 2:00	15.559	16.715	16.778	16.669
7/24/2016 3:00	14.924	16.778	16.778	16.685
7/24/2016 4:00	14.356	16.778	16.778	16.705
7/24/2016 5:00	13.818	16.778	16.84	16.725
7/24/2016 6:00	13.353	16.778	16.84	16.743
7/24/2016 7:00	12.938	16.778	16.84	16.761
7/24/2016 8:00	12.606	16.778	16.903	16.779
7/24/2016 9:00	12.54	16.841	16.903	16.797
7/24/2016 10:00	12.899	16.841	16.903	16.813
7/24/2016 11:00	13.724	16.841	16.903	16.831
7/24/2016 12:00	14.807	16.841	16.966	16.847
7/24/2016 13:00	16.141	16.841	16.966	16.862
7/24/2016 14:00	17.575	16.841	16.966	16.875
7/24/2016 15:00	18.941	16.841	16.966	16.894
7/24/2016 16:00	20.06	16.903	17.028	16.906
7/24/2016 17:00	20.785	16.903	17.028	16.92
7/24/2016 18:00	21.06	16.903	17.028	16.932
7/24/2016 19:00	20.842	16.903	17.028	16.942
7/24/2016 20:00	20.388	16.903	17.028	16.953
7/24/2016 21:00	19.728	16.903	17.091	16.964
7/24/2016 22:00	19.086	16.903	17.091	16.975
7/24/2016 23:00	18.573	16.903	17.091	16.982
7/25/2016 0:00	18.134	16.903	17.091	16.989
7/25/2016 1:00	17.551	16.903	17.091	16.997
7/25/2016 2:00	16.876	16.903	17.091	17.005
7/25/2016 3:00	16.194	16.903	17.154	17.011
7/25/2016 4:00	15.584	16.903	17.091	17.014
7/25/2016 5:00	14.979	16.903	17.091	17.019
7/25/2016 6:00	14.453	16.903	17.091	17.022
7/25/2016 7:00	13.978	16.903	17.154	17.024
7/25/2016 8:00	13.614	16.966	17.154	17.027
7/25/2016 9:00	13.546	16.966	17.154	17.026
7/25/2016 10:00	13.88	16.966	17.154	17.026
7/25/2016 11:00	14.684	16.966	17.154	17.023
7/25/2016 12:00	15.787	16.966	17.154	17.024
7/25/2016 13:00	17.146	16.966	17.154	17.021
7/25/2016 14:00	18.631	16.966	17.154	17.019

7/25/2016 15:00	20.048	16.966	17.154	17.013
7/25/2016 16:00	21.183	16.966	17.154	17.011
7/25/2016 17:00	21.61	16.966	17.154	17.004
7/25/2016 18:00	21.732	16.966	17.154	17.001
7/25/2016 19:00	21.591	16.966	17.154	16.991
7/25/2016 20:00	21.1	17.029	17.154	16.988
7/25/2016 21:00	20.309	17.029	17.154	16.978
7/25/2016 22:00	19.692	17.029	17.154	16.974
7/25/2016 23:00	19.217	17.029	17.154	16.964
7/26/2016 0:00	18.786	17.029	17.154	16.96
7/26/2016 1:00	18.227	17.029	17.154	16.951
7/26/2016 2:00	17.549	17.029	17.154	16.949
7/26/2016 3:00	16.832	17.029	17.154	16.941
7/26/2016 4:00	16.196	17.029	17.154	16.933
7/26/2016 5:00	15.626	17.029	17.154	16.927
7/26/2016 6:00	15.069	17.029	17.154	16.921
7/26/2016 7:00	14.581	17.029	17.154	16.914
7/26/2016 8:00	14.205	17.029	17.154	16.909
7/26/2016 9:00	14.116	17.029	17.154	16.904
7/26/2016 10:00	14.452	17.029	17.154	16.899
7/26/2016 11:00	15.239	17.029	17.154	16.892
7/26/2016 12:00	16.113	17.029	17.154	16.887
7/26/2016 13:00	17.386	17.029	17.154	16.879
7/26/2016 14:00	18.68	17.091	17.154	16.877
7/26/2016 15:00	19.96	17.091	17.154	16.873
7/26/2016 16:00	20.839	17.091	17.154	16.867
7/26/2016 17:00	20.972	17.091	17.154	16.864
7/26/2016 18:00	20.904	17.091	17.154	16.863
7/26/2016 19:00	20.748	17.154	17.154	16.858
7/26/2016 20:00	20.563	17.154	17.154	16.856
7/26/2016 21:00	20.166	17.154	17.154	16.856
7/26/2016 22:00	19.682	17.154	17.154	16.854
7/26/2016 23:00	19.206	17.154	17.154	16.854
7/27/2016 0:00	18.857	17.154	17.154	16.854
7/27/2016 1:00	18.444	17.154	17.154	16.856
7/27/2016 2:00	17.947	17.154	17.154	16.859
7/27/2016 3:00	17.401	17.154	17.154	16.863
7/27/2016 4:00	16.846	17.154	17.154	16.865
7/27/2016 5:00	16.308	17.154	17.154	16.871
7/27/2016 6:00	15.811	17.216	17.154	16.878
7/27/2016 7:00	15.351	17.216	17.154	16.881

7/27/2016 8:00	15.011	17.216	17.216	16.889
7/27/2016 9:00	14.933	17.216	17.216	16.892
7/27/2016 10:00	15.227	17.216	17.216	16.899
7/27/2016 11:00	15.933	17.216	17.216	16.904
7/27/2016 12:00	16.991	17.216	17.216	16.913
7/27/2016 13:00	18.338	17.279	17.216	16.92
7/27/2016 14:00	19.752	17.279	17.216	16.928
7/27/2016 15:00	20.763	17.279	17.216	16.938
7/27/2016 16:00	21.313	17.279	17.216	16.946
7/27/2016 17:00	22.055	17.279	17.216	16.955
7/27/2016 18:00	22.263	17.279	17.216	16.964
7/27/2016 19:00	21.994	17.342	17.279	16.973
7/27/2016 20:00	21.652	17.342	17.279	16.983
7/27/2016 21:00	21.151	17.342	17.279	16.994
7/27/2016 22:00	20.57	17.342	17.279	17.009
7/27/2016 23:00	20.039	17.342	17.279	17.016
7/28/2016 0:00	19.466	17.342	17.279	17.031
7/28/2016 1:00	18.843	17.404	17.342	17.044
7/28/2016 2:00	18.221	17.404	17.342	17.056
7/28/2016 3:00	17.584	17.404	17.342	17.068
7/28/2016 4:00	16.989	17.404	17.342	17.082
7/28/2016 5:00	16.48	17.404	17.342	17.094
7/28/2016 6:00	15.966	17.404	17.342	17.107
7/28/2016 7:00	15.515	17.404	17.342	17.121
7/28/2016 8:00	15.172	17.467	17.404	17.135
7/28/2016 9:00	15.115	17.467	17.404	17.148
7/28/2016 10:00	15.46	17.467	17.404	17.163
7/28/2016 11:00	16.242	17.467	17.404	17.174
7/28/2016 12:00	17.313	17.467	17.404	17.188
7/28/2016 13:00	18.69	17.53	17.467	17.203
7/28/2016 14:00	19.882	17.53	17.467	17.219
7/28/2016 15:00	20.827	17.53	17.467	17.234
7/28/2016 16:00	21.953	17.592	17.529	17.344
7/28/2016 17:00	22.409	17.592	17.529	17.268
7/28/2016 18:00	22.993	17.592	17.529	17.278
7/28/2016 19:00	22.891	17.592	17.529	17.291
7/28/2016 20:00	22.676	17.655	17.529	17.307
7/28/2016 21:00	22.207	17.655	17.529	17.323
7/28/2016 22:00	21.478	17.655	17.592	17.339
7/28/2016 23:00	20.785	17.655	17.592	17.353
7/29/2016 0:00	20.167	17.655	17.592	17.367

7/29/2016 1:00	19.572	17.655	17.592	17.384
7/29/2016 2:00	18.881	17.718	17.655	17.399
7/29/2016 3:00	18.21	17.718	17.655	17.417
7/29/2016 4:00	17.559	17.718	17.655	17.431
7/29/2016 5:00	17.002	17.718	17.655	17.449
7/29/2016 6:00	16.466	17.718	17.655	17.467
7/29/2016 7:00	15.969	17.78	17.717	17.484
7/29/2016 8:00	15.569	17.78	17.717	17.502
7/29/2016 9:00	15.438	17.78	17.717	17.517
7/29/2016 10:00	15.76	17.78	17.717	17.535
7/29/2016 11:00	16.527	17.843	17.78	17.553
7/29/2016 12:00	17.559	17.843	17.78	17.568
7/29/2016 13:00	18.863	17.843	17.78	17.587
7/29/2016 14:00	20.291	17.843	17.78	17.603
7/29/2016 15:00	21.672	17.906	17.843	17.618
7/29/2016 16:00	22.711	17.906	17.843	17.638
7/29/2016 17:00	23.273	17.906	17.843	17.659
7/29/2016 18:00	23.468	17.968	17.905	17.673
7/29/2016 19:00	23.188	17.968	17.905	17.693
7/29/2016 20:00	22.562	17.968	17.905	17.712
7/29/2016 21:00	21.834	18.031	17.905	17.735
7/29/2016 22:00	21.03	18.031	17.968	17.748
7/29/2016 23:00	20.404	18.031	17.968	17.767
7/30/2016 0:00	19.956	18.031	17.968	17.786
7/30/2016 1:00	19.483	18.094	17.968	17.809
7/30/2016 2:00	18.865	18.094	18.03	17.828
7/30/2016 3:00	18.28	18.094	18.03	17.845
7/30/2016 4:00	17.653	18.094	18.03	17.869
7/30/2016 5:00	17.05	18.094	18.093	17.886
7/30/2016 6:00	16.532	18.156	18.093	17.906
7/30/2016 7:00	16.027	18.156	18.093	17.925
7/30/2016 8:00	15.622	18.156	18.093	17.945
7/30/2016 9:00	15.516	18.156	18.156	17.964
7/30/2016 10:00	15.827	18.219	18.156	17.986
7/30/2016 11:00	16.618	18.219	18.156	18.005
7/30/2016 12:00	17.681	18.219	18.218	18.022
7/30/2016 13:00	19.003	18.281	18.218	18.042
7/30/2016 14:00	20.345	18.281	18.218	18.062
7/30/2016 15:00	21.524	18.281	18.218	18.083
7/30/2016 16:00	22.277	18.281	18.281	18.104
7/30/2016 17:00	22.954	18.344	18.281	18.121

7/30/2016 18:00	23.226	18.344	18.281	18.14
7/30/2016 19:00	22.891	18.344	18.343	18.162
7/30/2016 20:00	22.302	18.407	18.343	18.182
7/30/2016 21:00	21.614	18.407	18.343	18.198
7/30/2016 22:00	20.835	18.407	18.406	18.22
7/30/2016 23:00	20.128	18.407	18.406	18.243
7/31/2016 0:00	19.519	18.469	18.406	18.26
7/31/2016 1:00	18.992	18.469	18.406	18.277
7/31/2016 2:00	18.332	18.469	18.469	18.297
7/31/2016 3:00	17.697	18.469	18.469	18.32
7/31/2016 4:00	17.106	18.469	18.469	18.34
7/31/2016 5:00	16.462	18.469	18.531	18.359
7/31/2016 6:00	15.818	18.532	18.531	18.379
7/31/2016 7:00	15.258	18.532	18.531	18.398
7/31/2016 8:00	14.85	18.532	18.531	18.417
7/31/2016 9:00	14.633	18.532	18.594	18.438
7/31/2016 10:00	14.891	18.595	18.594	18.454
7/31/2016 11:00	15.641	18.595	18.594	18.474
7/31/2016 12:00	16.563	18.595	18.657	18.489
7/31/2016 13:00	17.751	18.595	18.657	18.509
7/31/2016 14:00	18.965	18.657	18.657	18.526
7/31/2016 15:00	20.167	18.657	18.657	18.545
7/31/2016 16:00	21.22	18.657	18.657	18.56
7/31/2016 17:00	21.791	18.657	18.719	18.576
7/31/2016 18:00	21.901	18.657	18.719	18.596
7/31/2016 19:00	21.386	18.72	18.719	18.61
7/31/2016 20:00	20.65	18.72	18.782	18.63
7/31/2016 21:00	19.9	18.72	18.782	18.643
7/31/2016 22:00	19.116	18.72	18.782	18.66
7/31/2016 23:00	18.393	18.72	18.782	18.673
8/1/2016 0:00	17.716	18.782	18.782	18.694
8/1/2016 1:00	17.149	18.782	18.844	18.704
8/1/2016 2:00	16.537	18.782	18.844	18.719
8/1/2016 3:00	15.823	18.782	18.844	18.737
8/1/2016 4:00	15.083	18.782	18.844	18.752
8/1/2016 5:00	14.421	18.782	18.907	18.765
8/1/2016 6:00	13.828	18.782	18.907	18.782
8/1/2016 7:00	13.28	18.782	18.907	18.79
8/1/2016 8:00	12.866	18.782	18.907	18.801
8/1/2016 9:00	12.748	18.782	18.907	18.815
8/1/2016 10:00	13.072	18.782	18.907	18.827

8/1/2016 11:00	13.912	18.845	18.97	18.839
8/1/2016 12:00	14.968	18.845	18.97	18.846
8/1/2016 13:00	16.238	18.845	18.97	18.857
8/1/2016 14:00	17.558	18.845	18.97	18.866
8/1/2016 15:00	18.944	18.845	18.97	18.874
8/1/2016 16:00	20.163	18.845	18.97	18.881
8/1/2016 17:00	20.961	18.845	19.032	18.888
8/1/2016 18:00	21.352	18.845	19.032	18.893
8/1/2016 19:00	21.162	18.845	19.032	18.904
8/1/2016 20:00	20.609	18.845	19.032	18.906
8/1/2016 21:00	19.926	18.845	19.032	18.911
8/1/2016 22:00	19.066	18.845	19.032	18.914
8/1/2016 23:00	18.361	18.845	19.032	18.916
8/2/2016 0:00	17.774	18.845	19.032	18.918
8/2/2016 1:00	17.201	18.845	19.032	18.919
8/2/2016 2:00	16.633	18.845	19.032	18.922
8/2/2016 3:00	16.025	18.845	19.032	18.921
8/2/2016 4:00	15.401	18.845	19.032	18.92
8/2/2016 5:00	14.787	18.845	19.032	18.916
8/2/2016 6:00	14.185	18.782	19.032	18.918
8/2/2016 7:00	13.597	18.782	19.032	18.912
8/2/2016 8:00	13.117	18.782	18.97	18.909
8/2/2016 9:00	12.872	18.782	18.97	18.904
8/2/2016 10:00	13.059	18.782	18.97	18.894
8/2/2016 11:00	13.822	18.782	18.97	18.888
8/2/2016 12:00	14.885	18.782	18.97	18.879
8/2/2016 13:00	16.072	18.782	18.97	18.867
8/2/2016 14:00	17.248	18.782	18.97	18.856
8/2/2016 15:00	18.593	18.72	18.97	18.846
8/2/2016 16:00	19.944	18.72	18.97	18.833
8/2/2016 17:00	20.807	18.72	18.97	18.818
8/2/2016 18:00	21.097	18.72	18.907	18.804
8/2/2016 19:00	20.745	18.72	18.907	18.786
8/2/2016 20:00	20.033	18.72	18.907	18.772
8/2/2016 21:00	19.319	18.72	18.907	18.752
8/2/2016 22:00	18.658	18.72	18.907	18.735
8/2/2016 23:00	18.02	18.657	18.907	18.716
8/3/2016 0:00	17.384	18.657	18.844	18.698
8/3/2016 1:00	16.766	18.657	18.844	18.679
8/3/2016 2:00	16.083	18.657	18.844	18.655
8/3/2016 3:00	15.61	18.657	18.844	18.639

8/3/2016 4:00	15.119	18.595	18.782	18.62
8/3/2016 5:00	14.63	18.595	18.782	18.598
8/3/2016 6:00	14.167	18.595	18.782	18.579
8/3/2016 7:00	13.712	18.595	18.782	18.558
8/3/2016 8:00	13.394	18.532	18.782	18.534
8/3/2016 9:00	13.35	18.532	18.719	18.513
8/3/2016 10:00	13.555	18.532	18.719	18.491
8/3/2016 11:00	13.645	18.469	18.719	18.469
8/3/2016 12:00	13.994	18.532	18.719	18.446
8/3/2016 13:00	14.898	18.469	18.657	18.426
8/3/2016 14:00	16.425	18.469	18.657	18.398
8/3/2016 15:00	17.546	18.469	18.657	18.376
8/3/2016 16:00	18.296	18.469	18.657	18.349
8/3/2016 17:00	17.967	18.469	18.594	18.324
8/3/2016 18:00	17.664	18.469	18.594	18.298
8/3/2016 19:00	17.727	18.407	18.594	18.275
8/3/2016 20:00	17.35	18.407	18.594	18.252
8/3/2016 21:00	17.132	18.407	18.531	18.228
8/3/2016 22:00	16.857	18.407	18.531	18.204
8/3/2016 23:00	16.383	18.407	18.531	18.181
8/4/2016 0:00	15.73	18.344	18.531	18.157
8/4/2016 1:00	15.146	18.344	18.469	18.132
8/4/2016 2:00	14.642	18.344	18.469	18.109
8/4/2016 3:00	14.104	18.281	18.469	18.087
8/4/2016 4:00	13.594	18.281	18.406	18.065
8/4/2016 5:00	13.108	18.281	18.406	18.042
8/4/2016 6:00	12.658	18.281	18.406	18.022
8/4/2016 7:00	12.214	18.219	18.406	18.001
8/4/2016 8:00	11.852	18.219	18.343	17.98
8/4/2016 9:00	11.74	18.219	18.343	17.959
8/4/2016 10:00	12.1	18.219	18.343	17.937
8/4/2016 11:00	13.043	18.156	18.281	17.916
8/4/2016 12:00	14.141	18.156	18.281	17.895
8/4/2016 13:00	15.472	18.156	18.281	17.873
8/4/2016 14:00	16.879	18.156	18.281	17.848
8/4/2016 15:00	18.34	18.094	18.218	17.827
8/4/2016 16:00	19.585	18.094	18.218	17.804
8/4/2016 17:00	20.503	18.094	18.218	17.779
8/4/2016 18:00	20.866	18.094	18.156	17.755
8/4/2016 19:00	20.592	18.031	18.156	17.734
8/4/2016 20:00	19.991	18.031	18.156	17.708

8/4/2016 21:00	19.328	17.968	18.093	17.682
8/4/2016 22:00	18.62	17.968	18.093	17.657
8/4/2016 23:00	17.925	17.968	18.03	17.634
8/5/2016 0:00	17.362	17.906	18.03	17.611
8/5/2016 1:00	16.898	17.906	18.03	17.589
8/5/2016 2:00	16.422	17.906	17.968	17.566
8/5/2016 3:00	15.847	17.843	17.968	17.539
8/5/2016 4:00	15.278	17.843	17.968	17.516
8/5/2016 5:00	14.729	17.78	17.968	17.492
8/5/2016 6:00	14.183	17.78	17.905	17.467
8/5/2016 7:00	13.656	17.78	17.905	17.44
8/5/2016 8:00	13.234	17.718	17.843	17.417
8/5/2016 9:00	13.013	17.718	17.843	17.392
8/5/2016 10:00	13.256	17.718	17.843	17.368
8/5/2016 11:00	14.056	17.718	17.78	17.342
8/5/2016 12:00	15.12	17.655	17.78	17.315
8/5/2016 13:00	16.427	17.655	17.78	17.289
8/5/2016 14:00	17.813	17.655	17.717	17.259
8/5/2016 15:00	19.331	17.655	17.717	17.231
8/5/2016 16:00	20.144	17.655	17.655	17.2
8/5/2016 17:00	20.245	17.592	17.655	17.172
8/5/2016 18:00	20.388	17.592	17.655	17.14
8/5/2016 19:00	20.438	17.592	17.592	17.114
8/5/2016 20:00	19.916	17.592	17.592	17.086
8/5/2016 21:00	19.362	17.592	17.529	17.058
8/5/2016 22:00	18.904	17.53	17.529	17.032
8/5/2016 23:00	18.481	17.53	17.529	17.007
8/6/2016 0:00	18.084	17.53	17.529	16.982
8/6/2016 1:00	17.714	17.53	17.467	16.959
8/6/2016 2:00	17.367	17.467	17.467	16.936
8/6/2016 3:00	16.987	17.467	17.467	16.915
8/6/2016 4:00	16.655	17.467	17.404	16.895
8/6/2016 5:00	16.357	17.467	17.404	16.876
8/6/2016 6:00	15.998	17.467	17.404	16.854
8/6/2016 7:00	15.64	17.404	17.342	16.835
8/6/2016 8:00	15.383	17.404	17.342	16.816
8/6/2016 9:00	15.214	17.404	17.342	16.799
8/6/2016 10:00	15.342	17.404	17.342	16.785
8/6/2016 11:00	15.756	17.404	17.279	16.768
8/6/2016 12:00	16.213	17.404	17.279	16.754
8/6/2016 13:00	16.717	17.404	17.279	16.736

8/6/2016 14:00	17.819	17.404	17.279	16.723
8/6/2016 15:00	19.174	17.404	17.216	16.708
8/6/2016 16:00	19.708	17.404	17.216	16.696
8/6/2016 17:00	19.249	17.342	17.216	16.684
8/6/2016 18:00	18.563	17.342	17.216	16.669
8/6/2016 19:00	18.396	17.342	17.216	16.657
8/6/2016 20:00	18.382	17.342	17.154	16.649
8/6/2016 21:00	18.117	17.342	17.154	16.641
8/6/2016 22:00	17.696	17.342	17.154	16.631
8/6/2016 23:00	17.271	17.342	17.154	16.624
8/7/2016 0:00	16.816	17.342	17.154	16.619
8/7/2016 1:00	16.391	17.342	17.154	16.616
8/7/2016 2:00	16.024	17.342	17.154	16.613
8/7/2016 3:00	15.669	17.342	17.154	16.611
8/7/2016 4:00	15.249	17.342	17.154	16.614
8/7/2016 5:00	14.828	17.342	17.154	16.613
8/7/2016 6:00	14.44	17.342	17.091	16.611
8/7/2016 7:00	14.014	17.342	17.091	16.612
8/7/2016 8:00	13.676	17.342	17.091	16.618
8/7/2016 9:00	13.566	17.342	17.091	16.615
8/7/2016 10:00	13.644	17.342	17.091	16.621
8/7/2016 11:00	13.935	17.342	17.091	16.625
8/7/2016 12:00	14.305	17.342	17.091	16.628
8/7/2016 13:00	14.435	17.342	17.091	16.631
8/7/2016 14:00	14.51	17.342	17.154	16.636
8/7/2016 15:00	15.381	17.342	17.091	16.644
8/7/2016 16:00	16.458	17.342	17.154	16.65
8/7/2016 17:00	16.875	17.342	17.154	16.655
8/7/2016 18:00	16.771	17.342	17.154	16.664
8/7/2016 19:00	16.671	17.342	17.154	16.67
8/7/2016 20:00	16.694	17.342	17.154	16.678
8/7/2016 21:00	16.529	17.342	17.154	16.685
8/7/2016 22:00	16.161	17.342	17.154	16.692
8/7/2016 23:00	15.804	17.342	17.154	16.703
8/8/2016 0:00	15.433	17.342	17.154	16.711
8/8/2016 1:00	15.108	17.342	17.154	16.72
8/8/2016 2:00	14.78	17.342	17.154	16.731
8/8/2016 3:00	14.383	17.342	17.154	16.739
8/8/2016 4:00	13.996	17.342	17.154	16.749
8/8/2016 5:00	13.556	17.279	17.154	16.761
8/8/2016 6:00	13.13	17.279	17.154	16.769

8/8/2016 7:00	12.726	17.279	17.154	16.778
8/8/2016 8:00	12.438	17.279	17.154	16.784
8/8/2016 9:00	12.303	17.279	17.154	16.792
8/8/2016 10:00	12.579	17.279	17.154	16.799
8/8/2016 11:00	13.436	17.279	17.154	16.805
8/8/2016 12:00	14.518	17.279	17.154	16.808
8/8/2016 13:00	15.811	17.216	17.216	16.814
8/8/2016 14:00	17.148	17.216	17.216	16.821
8/8/2016 15:00	17.946	17.216	17.216	16.82
8/8/2016 16:00	18.766	17.216	17.154	16.824
8/8/2016 17:00	18.824	17.216	17.154	16.824
8/8/2016 18:00	18.755	17.216	17.216	16.827
8/8/2016 19:00	18.478	17.216	17.154	16.825
8/8/2016 20:00	18.223	17.154	17.154	16.823
8/8/2016 21:00	17.758	17.154	17.154	16.82
8/8/2016 22:00	17.365	17.154	17.154	16.814
8/8/2016 23:00	17.022	17.154	17.154	16.812
8/9/2016 0:00	16.65	17.154	17.154	16.806
8/9/2016 1:00	16.269	17.091	17.154	16.801
8/9/2016 2:00	15.892	17.091	17.154	16.792
8/9/2016 3:00	15.452	17.091	17.154	16.783
8/9/2016 4:00	14.978	17.091	17.154	16.777
8/9/2016 5:00	14.469	17.091	17.154	16.768
8/9/2016 6:00	13.886	17.029	17.091	16.756
8/9/2016 7:00	13.535	17.029	17.091	16.744
8/9/2016 8:00	13.22	17.029	17.091	16.733
8/9/2016 9:00	13.203	17.029	17.091	16.721
8/9/2016 10:00	13.153	17.029	17.091	16.706
8/9/2016 11:00	13.452	17.029	17.091	16.69
8/9/2016 12:00	13.907	17.029	17.028	16.675
8/9/2016 13:00	15.041	16.966	17.028	16.657
8/9/2016 14:00	16.265	16.966	17.028	16.645
8/9/2016 15:00	16.274	16.966	17.028	16.624
8/9/2016 16:00	16.611	16.966	17.028	16.61
8/9/2016 17:00	17.174	16.966	16.966	16.589
8/9/2016 18:00	17.423	16.966	16.966	16.567
8/9/2016 19:00	17.233	16.966	16.966	16.55
8/9/2016 20:00	16.888	16.966	16.966	16.53
8/9/2016 21:00	16.46	16.966	16.903	16.51
8/9/2016 22:00	15.877	16.903	16.903	16.495
8/9/2016 23:00	15.428	16.903	16.903	16.475

8/10/2016 0:00	15.067	16.903	16.903	16.458
8/10/2016 1:00	14.666	16.903	16.903	16.443
8/10/2016 2:00	14.171	16.903	16.84	16.428
8/10/2016 3:00	13.705	16.903	16.84	16.41
8/10/2016 4:00	13.253	16.903	16.84	16.392
8/10/2016 5:00	12.812	16.841	16.84	16.379
8/10/2016 6:00	12.43	16.841	16.84	16.368
8/10/2016 7:00	12.128	16.841	16.778	16.35
8/10/2016 8:00	11.915	16.841	16.778	16.335
8/10/2016 9:00	11.818	16.841	16.778	16.324
8/10/2016 10:00	11.976	16.841	16.778	16.311
8/10/2016 11:00	12.445	16.778	16.778	16.298
8/10/2016 12:00	12.869	16.778	16.715	16.287
8/10/2016 13:00	13.449	16.778	16.715	16.271
8/10/2016 14:00	14.008	16.778	16.715	16.26
8/10/2016 15:00	14.371	16.778	16.715	16.246
8/10/2016 16:00	15.127	16.778	16.715	16.23
8/10/2016 17:00	15.489	16.778	16.653	16.22
8/10/2016 18:00	15.445	16.715	16.653	16.206
8/10/2016 19:00	15.467	16.715	16.653	16.193
8/10/2016 20:00	15.346	16.715	16.653	16.18
8/10/2016 21:00	14.965	16.715	16.653	16.17
8/10/2016 22:00	14.522	16.715	16.653	16.16
8/10/2016 23:00	14.028	16.653	16.59	16.146
8/11/2016 0:00	13.609	16.653	16.59	16.131
8/11/2016 1:00	13.288	16.653	16.59	16.124
8/11/2016 2:00	12.952	16.653	16.59	16.113
8/11/2016 3:00	12.606	16.59	16.59	16.098
8/11/2016 4:00	12.303	16.59	16.527	16.089
8/11/2016 5:00	12.051	16.59	16.527	16.08
8/11/2016 6:00	11.765	16.59	16.527	16.066
8/11/2016 7:00	11.457	16.527	16.527	16.056
8/11/2016 8:00	11.201	16.527	16.527	16.04
8/11/2016 9:00	11.125	16.527	16.465	16.028
8/11/2016 10:00	11.461	16.465	16.465	16.016
8/11/2016 11:00	12.262	16.465	16.465	16.003
8/11/2016 12:00	13.392	16.465	16.465	15.988
8/11/2016 13:00	14.691	16.465	16.465	15.973
8/11/2016 14:00	15.944	16.402	16.402	15.958
8/11/2016 15:00	16.748	16.402	16.402	15.94
8/11/2016 16:00	17.417	16.402	16.402	15.921

8/11/2016 17:00	18.228	16.339	16.402	15.904
8/11/2016 18:00	18.763	16.339	16.339	15.885
8/11/2016 19:00	18.42	16.339	16.339	15.861
8/11/2016 20:00	17.885	16.277	16.339	15.839
8/11/2016 21:00	17.509	16.277	16.277	15.819
8/11/2016 22:00	16.995	16.277	16.277	15.798
8/11/2016 23:00	16.49	16.214	16.277	15.777
8/12/2016 0:00	16.077	16.214	16.214	15.753
8/12/2016 1:00	15.713	16.214	16.214	15.731
8/12/2016 2:00	15.302	16.151	16.214	15.709
8/12/2016 3:00	14.838	16.151	16.214	15.683
8/12/2016 4:00	14.378	16.151	16.151	15.664
8/12/2016 5:00	13.92	16.088	16.151	15.637
8/12/2016 6:00	13.48	16.088	16.089	15.613
8/12/2016 7:00	13.08	16.088	16.089	15.589
8/12/2016 8:00	12.719	16.088	16.089	15.564
8/12/2016 9:00	12.571	16.026	16.026	15.541
8/12/2016 10:00	12.773	16.026	16.026	15.513
8/12/2016 11:00	13.511	16.026	16.026	15.492
8/12/2016 12:00	14.646	16.026	15.963	15.466
8/12/2016 13:00	15.927	15.963	15.963	15.437
8/12/2016 14:00	17.45	15.963	15.963	15.412
8/12/2016 15:00	18.717	15.963	15.901	15.383
8/12/2016 16:00	18.872	15.963	15.901	15.354
8/12/2016 17:00	18.986	15.963	15.901	15.328
8/12/2016 18:00	19.08	15.963	15.838	15.3
8/12/2016 19:00	19.086	15.9	15.838	15.276
8/12/2016 20:00	18.738	15.9	15.838	15.25
8/12/2016 21:00	18.227	15.9	15.776	15.224
8/12/2016 22:00	17.746	15.9	15.776	15.204
8/12/2016 23:00	17.239	15.9	15.776	15.183
8/13/2016 0:00	16.772	15.9	15.713	15.164
8/13/2016 1:00	16.399	15.838	15.713	15.146
8/13/2016 2:00	15.993	15.838	15.713	15.128
8/13/2016 3:00	15.547	15.838	15.713	15.115
8/13/2016 4:00	15.113	15.838	15.65	15.096
8/13/2016 5:00	14.643	15.838	15.65	15.085
8/13/2016 6:00	14.166	15.838	15.65	15.072
8/13/2016 7:00	13.712	15.838	15.65	15.06
8/13/2016 8:00	13.323	15.838	15.65	15.048
8/13/2016 9:00	13.103	15.838	15.588	15.042

8/13/2016 10:00	13.341	15.838	15.588	15.032
8/13/2016 11:00	14.121	15.838	15.588	15.023
8/13/2016 12:00	15.172	15.838	15.588	15.015
8/13/2016 13:00	16.298	15.838	15.588	15.007
8/13/2016 14:00	17.609	15.838	15.525	15.004
8/13/2016 15:00	18.876	15.838	15.525	14.996
8/13/2016 16:00	19.754	15.838	15.525	14.988
8/13/2016 17:00	20.345	15.838	15.525	14.982
8/13/2016 18:00	20.644	15.838	15.525	14.983
8/13/2016 19:00	20.583	15.838	15.525	14.98
8/13/2016 20:00	20.189	15.838	15.525	14.978
8/13/2016 21:00	19.593	15.838	15.525	14.976
8/13/2016 22:00	18.914	15.838	15.525	14.979
8/13/2016 23:00	18.303	15.838	15.525	14.983
8/14/2016 0:00	17.728	15.838	15.525	14.988
8/14/2016 1:00	17.186	15.838	15.525	14.989
8/14/2016 2:00	16.719	15.838	15.525	14.998
8/14/2016 3:00	16.284	15.838	15.525	15.007
8/14/2016 4:00	15.827	15.838	15.525	15.014
8/14/2016 5:00	15.419	15.838	15.525	15.023
8/14/2016 6:00	14.983	15.838	15.525	15.032
8/14/2016 7:00	14.62	15.838	15.525	15.04
8/14/2016 8:00	14.326	15.838	15.525	15.053
8/14/2016 9:00	14.169	15.9	15.525	15.067
8/14/2016 10:00	14.344	15.9	15.525	15.077
8/14/2016 11:00	14.98	15.9	15.588	15.088
8/14/2016 12:00	15.995	15.9	15.588	15.097
8/14/2016 13:00	17.263	15.9	15.588	15.112
8/14/2016 14:00	18.417	15.9	15.588	15.123
8/14/2016 15:00	19.9	15.9	15.588	15.138
8/14/2016 16:00	21.034	15.963	15.588	15.151
8/14/2016 17:00	21.78	15.963	15.588	15.165
8/14/2016 18:00	22.15	15.963	15.65	15.181
8/14/2016 19:00	21.896	15.963	15.65	15.198
8/14/2016 20:00	21.288	15.963	15.65	15.216
8/14/2016 21:00	20.516	16.026	15.65	15.231
8/14/2016 22:00	19.685	16.026	15.65	15.251
8/14/2016 23:00	18.912	16.026	15.713	15.272
8/15/2016 0:00	18.207	16.026	15.713	15.291
8/15/2016 1:00	17.656	16.026	15.713	15.311
8/15/2016 2:00	17.175	16.026	15.713	15.333

8/15/2016 3:00	16.645	16.088	15.776	15.356
8/15/2016 4:00	16.078	16.088	15.776	15.379
8/15/2016 5:00	15.545	16.088	15.776	15.4
8/15/2016 6:00	15.075	16.088	15.776	15.423
8/15/2016 7:00	14.583	16.151	15.838	15.444
8/15/2016 8:00	14.128	16.151	15.838	15.464
8/15/2016 9:00	13.831	16.151	15.838	15.487
8/15/2016 10:00	13.996	16.151	15.901	15.51
8/15/2016 11:00	14.694	16.214	15.901	15.53
8/15/2016 12:00	15.861	16.214	15.901	15.553
8/15/2016 13:00	17.083	16.214	15.901	15.575
8/15/2016 14:00	18.45	16.277	15.963	15.598
8/15/2016 15:00	19.802	16.277	15.963	15.619
8/15/2016 16:00	20.989	16.277	15.963	15.644
8/15/2016 17:00	21.777	16.339	16.026	15.667
8/15/2016 18:00	21.9	16.339	16.026	15.69
8/15/2016 19:00	21.737	16.339	16.026	15.715
8/15/2016 20:00	21.3	16.402	16.089	15.739
8/15/2016 21:00	20.562	16.402	16.089	15.765
8/15/2016 22:00	19.727	16.402	16.089	15.786
8/15/2016 23:00	18.992	16.402	16.151	15.814
8/16/2016 0:00	18.321	16.465	16.151	15.838
8/16/2016 1:00	17.748	16.465	16.151	15.864
8/16/2016 2:00	17.225	16.465	16.214	15.89
8/16/2016 3:00	16.763	16.465	16.214	15.916
8/16/2016 4:00	16.287	16.527	16.214	15.942
8/16/2016 5:00	15.75	16.527	16.277	15.968
8/16/2016 6:00	15.266	16.527	16.277	15.992
8/16/2016 7:00	14.765	16.527	16.339	16.022
8/16/2016 8:00	14.324	16.59	16.339	16.048
8/16/2016 9:00	14.034	16.59	16.339	16.077
8/16/2016 10:00	14.143	16.59	16.402	16.104
8/16/2016 11:00	14.876	16.653	16.402	16.127
8/16/2016 12:00	16.047	16.653	16.402	16.154
8/16/2016 13:00	17.307	16.653	16.465	16.18
8/16/2016 14:00	18.631	16.653	16.465	16.209
8/16/2016 15:00	19.965	16.715	16.465	16.236
8/16/2016 16:00	21.164	16.715	16.527	16.268
8/16/2016 17:00	21.944	16.715	16.527	16.293
8/16/2016 18:00	22.393	16.778	16.59	16.327
8/16/2016 19:00	22.239	16.778	16.59	16.357

8/16/2016 20:00	21.586	16.778	16.59	16.387
8/16/2016 21:00	20.709	16.841	16.653	16.42
8/16/2016 22:00	19.888	16.841	16.653	16.446
8/16/2016 23:00	19.128	16.841	16.715	16.475
8/17/2016 0:00	18.375	16.841	16.715	16.507
8/17/2016 1:00	17.728	16.903	16.715	16.536
8/17/2016 2:00	17.178	16.903	16.778	16.565
8/17/2016 3:00	16.603	16.903	16.778	16.594
8/17/2016 4:00	16.03	16.903	16.84	16.623
8/17/2016 5:00	15.465	16.966	16.84	16.648
8/17/2016 6:00	14.967	16.966	16.84	16.677
8/17/2016 7:00	14.483	16.966	16.903	16.705
8/17/2016 8:00	14.013	16.966	16.903	16.728
8/17/2016 9:00	13.684	17.029	16.903	16.754
8/17/2016 10:00	13.768	17.029	16.966	16.778
8/17/2016 11:00	14.427	17.029	16.966	16.803
8/17/2016 12:00	15.709	17.091	16.966	16.827
8/17/2016 13:00	16.966	17.091	17.028	16.85
8/17/2016 14:00	18.299	17.091	17.028	16.875
8/17/2016 15:00	19.648	17.091	17.091	16.899
8/17/2016 16:00	20.747	17.154	17.091	16.919
8/17/2016 17:00	21.433	17.154	17.091	16.946
8/17/2016 18:00	21.763	17.154	17.154	16.968
8/17/2016 19:00	21.742	17.216	17.154	16.993
8/17/2016 20:00	21.316	17.216	17.154	17.013
8/17/2016 21:00	20.523	17.216	17.216	17.036
8/17/2016 22:00	19.679	17.279	17.216	17.062
8/17/2016 23:00	18.95	17.279	17.216	17.082
8/18/2016 0:00	18.367	17.279	17.279	17.104
8/18/2016 1:00	17.854	17.279	17.279	17.124
8/18/2016 2:00	17.401	17.279	17.279	17.145
8/18/2016 3:00	16.938	17.279	17.279	17.167
8/18/2016 4:00	16.442	17.342	17.342	17.187
8/18/2016 5:00	15.953	17.342	17.342	17.209
8/18/2016 6:00	15.505	17.342	17.342	17.227
8/18/2016 7:00	15.08	17.342	17.404	17.246
8/18/2016 8:00	14.725	17.342	17.404	17.265
8/18/2016 9:00	14.51	17.404	17.404	17.281
8/18/2016 10:00	14.668	17.404	17.404	17.299
8/18/2016 11:00	15.416	17.404	17.467	17.314
8/18/2016 12:00	16.637	17.404	17.467	17.328

8/18/2016 13:00	17.827	17.467	17.467	17.342
8/18/2016 14:00	19.079	17.467	17.467	17.356
8/18/2016 15:00	20.342	17.467	17.529	17.371
8/18/2016 16:00	21.371	17.467	17.529	17.383
8/18/2016 17:00	21.68	17.53	17.529	17.397
8/18/2016 18:00	21.662	17.53	17.529	17.408
8/18/2016 19:00	21.091	17.53	17.529	17.42
8/18/2016 20:00	20.549	17.53	17.592	17.433
8/18/2016 21:00	19.988	17.53	17.592	17.444
8/18/2016 22:00	19.52	17.592	17.592	17.456
8/18/2016 23:00	19.043	17.592	17.592	17.466
8/19/2016 0:00	18.574	17.592	17.655	17.48
8/19/2016 1:00	18.097	17.592	17.655	17.49
8/19/2016 2:00	17.589	17.592	17.655	17.504
8/19/2016 3:00	17.096	17.592	17.655	17.511
8/19/2016 4:00	16.541	17.592	17.655	17.524
8/19/2016 5:00	15.933	17.592	17.717	17.535
8/19/2016 6:00	15.286	17.655	17.717	17.544
8/19/2016 7:00	14.674	17.655	17.717	17.555
8/19/2016 8:00	14.146	17.655	17.717	17.566
8/19/2016 9:00	13.833	17.655	17.717	17.571
8/19/2016 10:00	13.916	17.655	17.717	17.581
8/19/2016 11:00	14.471	17.718	17.78	17.585
8/19/2016 12:00	15.438	17.718	17.78	17.593
8/19/2016 13:00	16.428	17.718	17.78	17.604
8/19/2016 14:00	17.518	17.718	17.78	17.609
8/19/2016 15:00	18.683	17.718	17.78	17.617
8/19/2016 16:00	19.654	17.78	17.78	17.623
8/19/2016 17:00	20.306	17.78	17.78	17.626
8/19/2016 18:00	20.572	17.78	17.78	17.636
8/19/2016 19:00	20.289	17.78	17.843	17.643
8/19/2016 20:00	19.621	17.78	17.843	17.649
8/19/2016 21:00	18.722	17.78	17.843	17.659
8/19/2016 22:00	17.824	17.78	17.843	17.665
8/19/2016 23:00	17.081	17.843	17.843	17.669
8/20/2016 0:00	16.46	17.843	17.843	17.68
8/20/2016 1:00	15.835	17.843	17.905	17.686
8/20/2016 2:00	15.25	17.843	17.905	17.695
8/20/2016 3:00	14.706	17.843	17.905	17.704
8/20/2016 4:00	14.189	17.843	17.905	17.709
8/20/2016 5:00	13.682	17.843	17.905	17.72

8/20/2016 6:00	13.143	17.843	17.905	17.725
8/20/2016 7:00	12.638	17.843	17.905	17.731
8/20/2016 8:00	12.19	17.843	17.968	17.743
8/20/2016 9:00	11.89	17.843	17.968	17.747
8/20/2016 10:00	12.009	17.843	17.968	17.752
8/20/2016 11:00	12.625	17.843	17.968	17.758
8/20/2016 12:00	13.79	17.843	17.968	17.762
8/20/2016 13:00	14.959	17.843	17.968	17.767
8/20/2016 14:00	16.285	17.843	17.968	17.772
8/20/2016 15:00	17.646	17.843	17.968	17.773
8/20/2016 16:00	18.874	17.843	17.968	17.778
8/20/2016 17:00	19.692	17.843	17.968	17.778
8/20/2016 18:00	20.145	17.843	17.968	17.78
8/20/2016 19:00	20.128	17.843	17.968	17.786
8/20/2016 20:00	19.664	17.843	17.968	17.787
8/20/2016 21:00	18.819	17.843	17.968	17.786
8/20/2016 22:00	17.94	17.843	17.968	17.786
8/20/2016 23:00	17.243	17.843	17.968	17.785
8/21/2016 0:00	16.681	17.843	17.968	17.787
8/21/2016 1:00	16.205	17.843	17.968	17.783
8/21/2016 2:00	15.726	17.843	17.968	17.783
8/21/2016 3:00	15.336	17.843	17.968	17.781
8/21/2016 4:00	14.922	17.843	17.968	17.781
8/21/2016 5:00	14.475	17.78	17.968	17.775
8/21/2016 6:00	14.017	17.78	17.968	17.77
8/21/2016 7:00	13.577	17.78	17.968	17.763
8/21/2016 8:00	13.146	17.78	17.968	17.758
8/21/2016 9:00	12.809	17.78	17.968	17.753
8/21/2016 10:00	12.865	17.78	17.968	17.742
8/21/2016 11:00	13.465	17.78	17.905	17.731
8/21/2016 12:00	14.633	17.78	17.905	17.718
8/21/2016 13:00	15.86	17.78	17.905	17.707
8/21/2016 14:00	17.208	17.718	17.905	17.693
8/21/2016 15:00	18.582	17.718	17.905	17.676
8/21/2016 16:00	19.743	17.718	17.905	17.657
8/21/2016 17:00	20.412	17.718	17.905	17.642
8/21/2016 18:00	20.686	17.718	17.843	17.623
8/21/2016 19:00	20.437	17.718	17.843	17.603
8/21/2016 20:00	19.9	17.718	17.843	17.583
8/21/2016 21:00	19.143	17.655	17.843	17.567
8/21/2016 22:00	18.375	17.655	17.843	17.545

8/21/2016 23:00	17.714	17.655	17.843	17.527
8/22/2016 0:00	17.084	17.655	17.78	17.508
8/22/2016 1:00	16.497	17.655	17.78	17.491
8/22/2016 2:00	16.011	17.655	17.78	17.467
8/22/2016 3:00	15.575	17.592	17.78	17.449
8/22/2016 4:00	15.153	17.592	17.717	17.43
8/22/2016 5:00	14.8	17.592	17.717	17.411
8/22/2016 6:00	14.462	17.592	17.717	17.394
8/22/2016 7:00	14.116	17.592	17.717	17.371
8/22/2016 8:00	13.792	17.53	17.717	17.353
8/22/2016 9:00	13.561	17.53	17.655	17.334
8/22/2016 10:00	13.536	17.53	17.655	17.318
8/22/2016 11:00	13.985	17.53	17.655	17.295
8/22/2016 12:00	14.834	17.53	17.655	17.274
8/22/2016 13:00	15.71	17.53	17.592	17.253
8/22/2016 14:00	16.7	17.53	17.592	17.253
8/22/2016 15:00	17.745	17.53	17.592	17.222
8/22/2016 16:00	18.476	17.53	17.592	17.196
8/22/2016 17:00	18.921	17.53	17.529	17.17
8/22/2016 18:00	18.787	17.467	17.529	17.149
8/22/2016 19:00	18.383	17.467	17.529	17.126
8/22/2016 20:00	17.724	17.467	17.529	17.109
8/22/2016 21:00	16.875	17.467	17.467	17.087
8/22/2016 22:00	16.136	17.467	17.467	17.069
8/22/2016 23:00	15.547	17.467	17.467	17.055
8/23/2016 0:00	14.995	17.467	17.467	17.043
8/23/2016 1:00	14.46	17.467	17.467	17.029
8/23/2016 2:00	13.962	17.404	17.404	17.016
8/23/2016 3:00	13.481	17.404	17.404	17.002
8/23/2016 4:00	13.022	17.404	17.404	16.989
8/23/2016 5:00	12.577	17.404	17.404	16.977
8/23/2016 6:00	12.173	17.404	17.404	16.968
8/23/2016 7:00	11.77	17.404	17.342	16.957
8/23/2016 8:00	11.435	17.404	17.342	16.947
8/23/2016 9:00	11.236	17.404	17.342	16.937
8/23/2016 10:00	11.359	17.342	17.342	16.928
8/23/2016 11:00	11.984	17.342	17.342	16.92
8/23/2016 12:00	13.072	17.342	17.342	16.91
8/23/2016 13:00	14.273	17.342	17.342	16.899
8/23/2016 14:00	15.326	17.342	17.279	16.888
8/23/2016 15:00	16.522	17.342	17.279	16.879

8/23/2016 16:00	17.406	17.342	17.279	16.87
8/23/2016 17:00	17.792	17.342	17.279	16.861
8/23/2016 18:00	18.106	17.279	17.279	16.849
8/23/2016 19:00	18.138	17.279	17.279	16.838
8/23/2016 20:00	17.941	17.279	17.279	16.831
8/23/2016 21:00	17.406	17.279	17.216	16.817
8/23/2016 22:00	16.84	17.279	17.216	16.811
8/23/2016 23:00	16.329	17.216	17.216	16.799
8/24/2016 0:00	15.871	17.216	17.216	16.793
8/24/2016 1:00	15.453	17.216	17.216	16.783
8/24/2016 2:00	15.046	17.216	17.216	16.773
8/24/2016 3:00	14.667	17.154	17.216	16.764
8/24/2016 4:00	14.257	17.154	17.154	16.751
8/24/2016 5:00	13.763	17.154	17.154	16.746
8/24/2016 6:00	13.247	17.091	17.154	16.735
8/24/2016 7:00	12.746	17.091	17.154	16.725
8/24/2016 8:00	12.328	17.091	17.154	16.71
8/24/2016 9:00	12.016	17.091	17.154	16.698
8/24/2016 10:00	12.028	17.029	17.091	16.688
8/24/2016 11:00	12.589	17.029	17.091	16.672
8/24/2016 12:00	13.712	17.029	17.091	16.655
8/24/2016 13:00	14.783	17.029	17.091	16.639
8/24/2016 14:00	15.323	17.029	17.028	16.62
8/24/2016 15:00	16.301	17.029	17.028	16.601
8/24/2016 16:00	16.962	16.966	17.028	16.579
8/24/2016 17:00	17.207	16.966	17.028	16.56
8/24/2016 18:00	17.461	16.966	16.966	16.533
8/24/2016 19:00	17.777	16.966	16.966	16.51
8/24/2016 20:00	17.529	16.903	16.966	16.489
8/24/2016 21:00	16.777	16.903	16.903	16.465
8/24/2016 22:00	16.052	16.903	16.903	16.442
8/24/2016 23:00	15.446	16.903	16.903	16.417
8/25/2016 0:00	14.881	16.841	16.84	16.397
8/25/2016 1:00	14.348	16.841	16.84	16.371
8/25/2016 2:00	13.853	16.841	16.84	16.348
8/25/2016 3:00	13.396	16.841	16.84	16.324
8/25/2016 4:00	12.932	16.778	16.778	16.303
8/25/2016 5:00	12.44	16.778	16.778	16.282
8/25/2016 6:00	11.95	16.778	16.778	16.26
8/25/2016 7:00	11.465	16.778	16.715	16.241
8/25/2016 8:00	11.034	16.715	16.715	16.22

8/25/2016 9:00	10.74	16.715	16.715	16.199
8/25/2016 10:00	10.799	16.715	16.653	16.184
8/25/2016 11:00	11.366	16.715	16.653	16.159
8/25/2016 12:00	12.331	16.715	16.653	16.138
8/25/2016 13:00	13.54	16.653	16.653	16.121
8/25/2016 14:00	14.771	16.653	16.59	16.099
8/25/2016 15:00	16.026	16.653	16.59	16.076
8/25/2016 16:00	17.14	16.653	16.59	16.053
8/25/2016 17:00	17.819	16.653	16.527	16.031
8/25/2016 18:00	18.099	16.59	16.527	16.008
8/25/2016 19:00	17.983	16.59	16.527	15.984
8/25/2016 20:00	17.566	16.59	16.527	15.966
8/25/2016 21:00	16.842	16.59	16.465	15.945
8/25/2016 22:00	16.017	16.527	16.465	15.928
8/25/2016 23:00	15.343	16.527	16.465	15.906
8/26/2016 0:00	14.756	16.527	16.402	15.89
8/26/2016 1:00	14.219	16.465	16.402	15.87
8/26/2016 2:00	13.778	16.465	16.402	15.854
8/26/2016 3:00	13.314	16.465	16.402	15.837
8/26/2016 4:00	12.78	16.402	16.339	15.821
8/26/2016 5:00	12.283	16.402	16.339	15.804
8/26/2016 6:00	11.774	16.402	16.339	15.787
8/26/2016 7:00	11.284	16.402	16.339	15.771
8/26/2016 8:00	10.844	16.339	16.277	15.754
8/26/2016 9:00	10.544	16.339	16.277	15.737
8/26/2016 10:00	10.591	16.339	16.277	15.72
8/26/2016 11:00	11.243	16.339	16.277	15.701
8/26/2016 12:00	12.286	16.277	16.214	15.683
8/26/2016 13:00	13.374	16.277	16.214	15.662
8/26/2016 14:00	14.544	16.277	16.214	15.643
8/26/2016 15:00	15.797	16.277	16.151	15.623
8/26/2016 16:00	16.966	16.277	16.151	15.6
8/26/2016 17:00	17.717	16.214	16.151	15.575
8/26/2016 18:00	18.123	16.214	16.089	15.552
8/26/2016 19:00	18.087	16.214	16.089	15.527
8/26/2016 20:00	17.659	16.214	16.089	15.508
8/26/2016 21:00	16.976	16.151	16.026	15.483
8/26/2016 22:00	16.31	16.151	16.026	15.463
8/26/2016 23:00	15.688	16.151	16.026	15.44
8/27/2016 0:00	15.215	16.088	16.026	15.425
8/27/2016 1:00	14.832	16.088	15.963	15.407

8/27/2016 2:00	14.464	16.088	15.963	15.387
8/27/2016 3:00	14.155	16.026	15.963	15.371
8/27/2016 4:00	13.919	16.026	15.963	15.352
8/27/2016 5:00	13.621	16.026	15.901	15.341
8/27/2016 6:00	13.289	16.026	15.901	15.323
8/27/2016 7:00	12.977	15.963	15.901	15.304
8/27/2016 8:00	12.708	15.963	15.838	15.289
8/27/2016 9:00	12.485	15.963	15.838	15.272
8/27/2016 10:00	12.465	15.963	15.838	15.255
8/27/2016 11:00	12.898	15.963	15.776	15.234
8/27/2016 12:00	13.911	15.9	15.776	15.218
8/27/2016 13:00	15.251	15.9	15.776	15.198
8/27/2016 14:00	15.936	15.9	15.776	15.178
8/27/2016 15:00	16.085	15.9	15.713	15.159
8/27/2016 16:00	16.975	15.9	15.713	15.137
8/27/2016 17:00	17.521	15.9	15.713	15.119
8/27/2016 18:00	18.209	15.838	15.65	15.098
8/27/2016 19:00	18.29	15.838	15.65	15.079
8/27/2016 20:00	17.952	15.838	15.65	15.06
8/27/2016 21:00	17.47	15.838	15.65	15.045
8/27/2016 22:00	17.095	15.838	15.588	15.025
8/27/2016 23:00	16.701	15.775	15.588	15.011
8/28/2016 0:00	16.242	15.775	15.588	15
8/28/2016 1:00	15.791	15.775	15.588	14.984
8/28/2016 2:00	15.446	15.775	15.588	14.974
8/28/2016 3:00	15.185	15.775	15.525	14.962
8/28/2016 4:00	14.939	15.712	15.525	14.955
8/28/2016 5:00	14.652	15.712	15.525	14.943
8/28/2016 6:00	14.333	15.712	15.525	14.936
8/28/2016 7:00	14.014	15.712	15.525	14.926
8/28/2016 8:00	13.712	15.712	15.462	14.918
8/28/2016 9:00	13.596	15.712	15.462	14.911
8/28/2016 10:00	13.798	15.712	15.462	14.906
8/28/2016 11:00	14.192	15.712	15.462	14.897
8/28/2016 12:00	14.228	15.712	15.462	14.891
8/28/2016 13:00	14.675	15.712	15.462	14.884
8/28/2016 14:00	15.992	15.712	15.462	14.879
8/28/2016 15:00	17.009	15.712	15.4	14.869
8/28/2016 16:00	17.825	15.712	15.4	14.869
8/28/2016 17:00	18.336	15.712	15.4	14.858
8/28/2016 18:00	18.623	15.65	15.4	14.853

8/28/2016 19:00	18.646	15.65	15.4	14.853
8/28/2016 20:00	18.383	15.65	15.4	14.85
8/28/2016 21:00	17.821	15.65	15.4	14.85
8/28/2016 22:00	17.191	15.65	15.4	14.849
8/28/2016 23:00	16.661	15.65	15.4	14.846
8/29/2016 0:00	16.161	15.65	15.4	14.852
8/29/2016 1:00	15.68	15.65	15.4	14.854
8/29/2016 2:00	15.207	15.65	15.4	14.864
8/29/2016 3:00	14.741	15.65	15.4	14.868
8/29/2016 4:00	14.25	15.65	15.4	14.87
8/29/2016 5:00	13.882	15.65	15.4	14.881
8/29/2016 6:00	13.496	15.65	15.4	14.882
8/29/2016 7:00	13.087	15.65	15.4	14.894
8/29/2016 8:00	12.699	15.65	15.4	14.899
8/29/2016 9:00	12.394	15.65	15.4	14.907
8/29/2016 10:00	12.305	15.65	15.4	14.916
8/29/2016 11:00	12.744	15.712	15.4	14.924
8/29/2016 12:00	13.787	15.712	15.4	14.933
8/29/2016 13:00	14.983	15.712	15.4	14.94
8/29/2016 14:00	16.205	15.712	15.4	14.951
8/29/2016 15:00	17.313	15.712	15.4	14.958
8/29/2016 16:00	18.462	15.712	15.4	14.966
8/29/2016 17:00	18.918	15.712	15.4	14.979
8/29/2016 18:00	19.053	15.712	15.462	14.989
8/29/2016 19:00	18.858	15.712	15.462	15.001
8/29/2016 20:00	18.411	15.712	15.462	15.013
8/29/2016 21:00	17.943	15.712	15.462	15.026
8/29/2016 22:00	17.459	15.712	15.462	15.042
8/29/2016 23:00	16.979	15.712	15.462	15.054
8/30/2016 0:00	16.552	15.712	15.462	15.069
8/30/2016 1:00	16.13	15.712	15.462	15.083
8/30/2016 2:00	15.66	15.775	15.525	15.1
8/30/2016 3:00	15.264	15.775	15.525	15.116
8/30/2016 4:00	14.844	15.775	15.525	15.131
8/30/2016 5:00	14.515	15.775	15.525	15.147
8/30/2016 6:00	14.173	15.775	15.525	15.16
8/30/2016 7:00	13.855	15.775	15.525	15.172
8/30/2016 8:00	13.583	15.775	15.588	15.186
8/30/2016 9:00	13.387	15.775	15.588	15.198
8/30/2016 10:00	13.485	15.775	15.588	15.209
8/30/2016 11:00	13.926	15.775	15.588	15.22

8/30/2016 12:00	14.651	15.775	15.588	15.23
8/30/2016 13:00	15.175	15.775	15.588	15.24
8/30/2016 14:00	15.702	15.838	15.588	15.251
8/30/2016 15:00	16.081	15.838	15.65	15.261
8/30/2016 16:00	16.37	15.838	15.65	15.268
8/30/2016 17:00	16.723	15.838	15.65	15.276
8/30/2016 18:00	16.882	15.838	15.65	15.288
8/30/2016 19:00	16.81	15.838	15.65	15.293
8/30/2016 20:00	16.645	15.838	15.65	15.302
8/30/2016 21:00	16.466	15.838	15.65	15.312
8/30/2016 22:00	16.302	15.9	15.65	15.322
8/30/2016 23:00	16.126	15.9	15.713	15.334
8/31/2016 0:00	15.892	15.9	15.713	15.342
8/31/2016 1:00	15.612	15.9	15.713	15.356
8/31/2016 2:00	15.315	15.9	15.713	15.366
8/31/2016 3:00	15.015	15.9	15.713	15.378
8/31/2016 4:00	14.715	15.9	15.713	15.389
8/31/2016 5:00	14.461	15.9	15.776	15.402
8/31/2016 6:00	14.19	15.9	15.713	15.413
8/31/2016 7:00	13.878	15.9	15.776	15.424
8/31/2016 8:00	13.557	15.9	15.776	15.435
8/31/2016 9:00	13.407	15.9	15.776	15.444
8/31/2016 10:00	13.404	15.9	15.776	15.456
8/31/2016 11:00	13.66	15.9	15.776	15.466
8/31/2016 12:00	13.935	15.9	15.776	15.476
8/31/2016 13:00	14.146	15.9	15.838	15.481
8/31/2016 14:00	14.355	15.963	15.838	15.493
8/31/2016 15:00	14.729	15.963	15.838	15.499
8/31/2016 16:00	15.168	15.963	15.838	15.503
8/31/2016 17:00	15.725	15.963	15.838	15.508
8/31/2016 18:00	16.213	15.963	15.838	15.518
8/31/2016 19:00	16.375	15.963	15.838	15.52
8/31/2016 20:00	16.145	15.963	15.838	15.525
8/31/2016 21:00	15.915	15.963	15.838	15.529
8/31/2016 22:00	15.765	15.963	15.901	15.536
8/31/2016 23:00	15.6	15.963	15.838	15.537
9/1/2016 0:00	15.442	15.963	15.901	15.547
9/1/2016 1:00	15.297	15.963	15.901	15.55
9/1/2016 2:00	15.051	15.963	15.901	15.555
9/1/2016 3:00	14.77	15.963	15.901	15.557
9/1/2016 4:00	14.493	15.963	15.901	15.56

9/1/2016 5:00	14.216	15.963	15.901	15.562
9/1/2016 6:00	13.934	15.963	15.901	15.568
9/1/2016 7:00	13.67	15.963	15.901	15.569
9/1/2016 8:00	13.424	15.963	15.901	15.571
9/1/2016 9:00	13.275	15.963	15.901	15.574
9/1/2016 10:00	13.363	15.963	15.901	15.572
9/1/2016 11:00	13.771	15.963	15.901	15.571
9/1/2016 12:00	14.621	15.963	15.901	15.571
9/1/2016 13:00	15.673	15.963	15.901	15.57
9/1/2016 14:00	16.731	15.963	15.901	15.567
9/1/2016 15:00	17.814	15.963	15.901	15.562
9/1/2016 16:00	18.731	15.963	15.901	15.557
9/1/2016 17:00	19.306	15.963	15.901	15.556
9/1/2016 18:00	19.502	15.963	15.901	15.547
9/1/2016 19:00	19.32	15.963	15.901	15.542
9/1/2016 20:00	18.714	15.963	15.901	15.537
9/1/2016 21:00	18.054	15.963	15.901	15.531
9/1/2016 22:00	17.53	15.963	15.901	15.528
9/1/2016 23:00	17.078	15.963	15.901	15.519
9/2/2016 0:00	16.596	15.9	15.901	15.515
9/2/2016 1:00	16.192	15.9	15.901	15.51
9/2/2016 2:00	15.841	15.9	15.901	15.502
9/2/2016 3:00	15.542	15.9	15.901	15.497
9/2/2016 4:00	15.194	15.9	15.901	15.487
9/2/2016 5:00	14.932	15.9	15.901	15.482
9/2/2016 6:00	14.715	15.9	15.838	15.48
9/2/2016 7:00	14.51	15.9	15.838	15.467
9/2/2016 8:00	14.232	15.9	15.838	15.464
9/2/2016 9:00	14.009	15.9	15.838	15.455
9/2/2016 10:00	14.027	15.963	15.838	15.45
9/2/2016 11:00	14.035	15.9	15.838	15.441
9/2/2016 12:00	13.979	15.963	15.838	15.438
9/2/2016 13:00	14.111	15.963	15.838	15.431
9/2/2016 14:00	14.414	15.963	15.838	15.423
9/2/2016 15:00	14.976	15.963	15.838	15.417
9/2/2016 16:00	15.818	15.963	15.838	15.413
9/2/2016 17:00	16.225	15.963	15.838	15.408
9/2/2016 18:00	16.326	15.963	15.838	15.404
9/2/2016 19:00	16.24	15.963	15.838	15.406
9/2/2016 20:00	15.971	15.963	15.838	15.402
9/2/2016 21:00	15.49	15.963	15.838	15.402

9/2/2016 22:00	14.969	15.963	15.838	15.406
9/2/2016 23:00	14.454	15.963	15.838	15.408
9/3/2016 0:00	13.914	15.963	15.838	15.412
9/3/2016 1:00	13.385	15.963	15.838	15.419
9/3/2016 2:00	12.87	15.963	15.838	15.425
9/3/2016 3:00	12.366	16.026	15.838	15.433
9/3/2016 4:00	11.912	16.026	15.838	15.44
9/3/2016 5:00	11.569	16.026	15.838	15.452
9/3/2016 6:00	11.291	16.026	15.838	15.462
9/3/2016 7:00	11.069	16.026	15.838	15.471
9/3/2016 8:00	10.783	16.026	15.838	15.479
9/3/2016 9:00	10.565	16.026	15.838	15.489
9/3/2016 10:00	10.628	16.026	15.838	15.496
9/3/2016 11:00	11.044	16.026	15.838	15.505
9/3/2016 12:00	11.913	16.026	15.901	15.512
9/3/2016 13:00	12.794	16.026	15.838	15.52
9/3/2016 14:00	13.516	16.026	15.901	15.528
9/3/2016 15:00	14.203	16.026	15.901	15.535
9/3/2016 16:00	14.645	16.026	15.901	15.541
9/3/2016 17:00	14.821	15.963	15.901	15.547
9/3/2016 18:00	14.983	15.963	15.901	15.554
9/3/2016 19:00	14.956	15.963	15.901	15.556
9/3/2016 20:00	14.694	15.963	15.901	15.559
9/3/2016 21:00	14.367	15.963	15.901	15.561
9/3/2016 22:00	14.008	15.963	15.901	15.56
9/3/2016 23:00	13.609	15.963	15.901	15.566
9/4/2016 0:00	13.229	15.963	15.901	15.564
9/4/2016 1:00	12.889	15.963	15.901	15.56
9/4/2016 2:00	12.605	15.9	15.901	15.56
9/4/2016 3:00	12.33	15.9	15.901	15.557
9/4/2016 4:00	12.101	15.9	15.901	15.55
9/4/2016 5:00	11.882	15.9	15.901	15.547
9/4/2016 6:00	11.738	15.9	15.901	15.535
9/4/2016 7:00	11.634	15.838	15.901	15.527
9/4/2016 8:00	11.506	15.838	15.901	15.515
9/4/2016 9:00	11.386	15.838	15.901	15.501
9/4/2016 10:00	11.381	15.838	15.838	15.484
9/4/2016 11:00	11.784	15.838	15.838	15.465
9/4/2016 12:00	12.313	15.838	15.838	15.447
9/4/2016 13:00	12.966	15.775	15.838	15.424
9/4/2016 14:00	13.298	15.775	15.838	15.401

9/4/2016 15:00	13.602	15.775	15.776	15.373
9/4/2016 16:00	14.001	15.775	15.776	15.348
9/4/2016 17:00	14.216	15.712	15.776	15.318
9/4/2016 18:00	14.27	15.712	15.776	15.289
9/4/2016 19:00	14.163	15.712	15.713	15.26
9/4/2016 20:00	13.938	15.712	15.713	15.229
9/4/2016 21:00	13.727	15.65	15.713	15.196
9/4/2016 22:00	13.537	15.65	15.713	15.167
9/4/2016 23:00	13.33	15.65	15.65	15.133
9/5/2016 0:00	13.114	15.65	15.65	15.103
9/5/2016 1:00	12.903	15.587	15.588	15.076
9/5/2016 2:00	12.745	15.587	15.588	15.045
9/5/2016 3:00	12.598	15.587	15.588	15.014
9/5/2016 4:00	12.446	15.524	15.525	14.984
9/5/2016 5:00	12.271	15.524	15.525	14.951
9/5/2016 6:00	12.082	15.524	15.462	14.923
9/5/2016 7:00	11.894	15.462	15.462	14.89
9/5/2016 8:00	11.744	15.462	15.462	14.857
9/5/2016 9:00	11.666	15.462	15.4	14.827
9/5/2016 10:00	11.661	15.462	15.4	14.794
9/5/2016 11:00	11.657	15.399	15.337	14.76
9/5/2016 12:00	11.686	15.399	15.337	14.726
9/5/2016 13:00	12.036	15.399	15.337	14.691
9/5/2016 14:00	12.48	15.336	15.274	14.659
9/5/2016 15:00	13.489	15.336	15.274	14.624
9/5/2016 16:00	13.975	15.336	15.212	14.589
9/5/2016 17:00	13.962	15.274	15.212	14.554
9/5/2016 18:00	14.002	15.274	15.149	14.522
9/5/2016 19:00	13.954	15.274	15.149	14.489
9/5/2016 20:00	13.714	15.211	15.149	14.463
9/5/2016 21:00	13.362	15.211	15.086	14.434
9/5/2016 22:00	12.962	15.211	15.086	14.406
9/5/2016 23:00	12.546	15.148	15.024	14.378
9/6/2016 0:00	12.134	15.148	15.024	14.35
9/6/2016 1:00	11.755	15.148	14.961	14.325
9/6/2016 2:00	11.347	15.086	14.961	14.294
9/6/2016 3:00	10.952	15.086	14.961	14.272
9/6/2016 4:00	10.567	15.086	14.898	14.244
9/6/2016 5:00	10.187	15.023	14.898	14.221
9/6/2016 6:00	9.84	15.023	14.898	14.195
9/6/2016 7:00	9.537	15.023	14.836	14.171

9/6/2016 8:00	9.316	15.023	14.836	14.146
9/6/2016 9:00	9.196	14.96	14.773	14.122
9/6/2016 10:00	9.207	14.96	14.773	14.1
9/6/2016 11:00	9.403	14.96	14.773	14.073
9/6/2016 12:00	9.781	14.897	14.71	14.045
9/6/2016 13:00	10.012	14.897	14.71	14.019
9/6/2016 14:00	10.177	14.897	14.648	13.993
9/6/2016 15:00	10.282	14.897	14.648	13.969
9/6/2016 16:00	10.604	14.835	14.648	13.941
9/6/2016 17:00	11.068	14.835	14.585	13.916
9/6/2016 18:00	11.332	14.835	14.585	13.894
9/6/2016 19:00	11.426	14.772	14.585	13.869
9/6/2016 20:00	11.389	14.772	14.522	13.843
9/6/2016 21:00	11.247	14.772	14.522	13.821
9/6/2016 22:00	11.087	14.709	14.522	13.797
9/6/2016 23:00	10.947	14.709	14.46	13.772
9/7/2016 0:00	10.829	14.647	14.46	13.752
9/7/2016 1:00	10.689	14.647	14.397	13.728
9/7/2016 2:00	10.569	14.647	14.397	13.704
9/7/2016 3:00	10.484	14.584	14.397	13.682
9/7/2016 4:00	10.382	14.584	14.334	13.659
9/7/2016 5:00	10.266	14.584	14.334	13.633
9/7/2016 6:00	10.122	14.521	14.334	13.612
9/7/2016 7:00	9.997	14.521	14.272	13.584
9/7/2016 8:00	9.887	14.459	14.272	13.559
9/7/2016 9:00	9.942	14.459	14.272	13.529
9/7/2016 10:00	10.107	14.396	14.209	13.501
9/7/2016 11:00	10.496	14.396	14.209	13.469
9/7/2016 12:00	11.049	14.396	14.146	13.438
9/7/2016 13:00	11.322	14.333	14.146	13.403
9/7/2016 14:00	11.621	14.333	14.146	13.365
9/7/2016 15:00	12.115	14.27	14.083	13.325
9/7/2016 16:00	12.774	14.27	14.021	13.288
9/7/2016 17:00	13.357	14.208	14.021	13.248
9/7/2016 18:00	13.461	14.208	14.021	13.206
9/7/2016 19:00	13.393	14.208	13.958	13.163
9/7/2016 20:00	13.26	14.145	13.895	13.122
9/7/2016 21:00	12.949	14.145	13.895	13.078
9/7/2016 22:00	12.644	14.082	13.833	13.034
9/7/2016 23:00	12.436	14.082	13.833	12.989
9/8/2016 0:00	12.266	14.02	13.77	12.949

9/8/2016 1:00	12.067	14.02	13.77	12.907
9/8/2016 2:00	11.864	13.957	13.707	12.867
9/8/2016 3:00	11.673	13.957	13.707	12.823
9/8/2016 4:00	11.503	13.894	13.645	12.782
9/8/2016 5:00	11.356	13.894	13.582	12.745
9/8/2016 6:00	11.262	13.894	13.582	12.707
9/8/2016 7:00	11.234	13.831	13.519	12.667
9/8/2016 8:00	11.18	13.831	13.519	12.63
9/8/2016 9:00	11.1	13.769	13.457	12.594
9/8/2016 10:00	11.092	13.769	13.457	12.559
9/8/2016 11:00	11.42	13.769	13.394	12.523
9/8/2016 12:00	12.24	13.706	13.394	12.489
9/8/2016 13:00	13.218	13.706	13.331	12.453
9/8/2016 14:00	14.087	13.643	13.331	12.42
9/8/2016 15:00	14.885	13.643	13.269	12.386
9/8/2016 16:00	15.626	13.643	13.269	12.354
9/8/2016 17:00	15.586	13.581	13.206	12.323
9/8/2016 18:00	15.455	13.581	13.206	12.293
9/8/2016 19:00	15.015	13.581	13.143	12.263
9/8/2016 20:00	14.475	13.518	13.143	12.237
9/8/2016 21:00	13.856	13.518	13.08	12.215
9/8/2016 22:00	13.421	13.518	13.08	12.193
9/8/2016 23:00	12.992	13.455	13.018	12.174
9/9/2016 0:00	12.642	13.455	13.018	12.156
9/9/2016 1:00	12.295	13.455	13.018	12.139
9/9/2016 2:00	11.908	13.392	12.955	12.125
9/9/2016 3:00	11.533	13.392	12.955	12.112
9/9/2016 4:00	11.169	13.392	12.955	12.098
9/9/2016 5:00	10.86	13.392	12.892	12.088
9/9/2016 6:00	10.506	13.33	12.892	12.078
9/9/2016 7:00	10.178	13.33	12.892	12.067
9/9/2016 8:00	9.909	13.33	12.892	12.059
9/9/2016 9:00	9.824	13.33	12.83	12.053
9/9/2016 10:00	9.897	13.267	12.83	12.05
9/9/2016 11:00	10.14	13.267	12.83	12.043
9/9/2016 12:00	10.679	13.267	12.767	12.038
9/9/2016 13:00	11.455	13.267	12.767	12.032
9/9/2016 14:00	12.492	13.267	12.767	12.031
9/9/2016 15:00	13.272	13.267	12.767	12.026
9/9/2016 16:00	14.035	13.267	12.767	12.03
9/9/2016 17:00	14.458	13.204	12.767	12.032

9/9/2016 18:00	14.59	13.204	12.704	12.035
9/9/2016 19:00	14.503	13.204	12.704	12.041
9/9/2016 20:00	14.084	13.204	12.704	12.047
9/9/2016 21:00	13.54	13.204	12.704	12.052
9/9/2016 22:00	13.089	13.204	12.704	12.062
9/9/2016 23:00	12.72	13.204	12.704	12.074
9/10/2016 0:00	12.408	13.141	12.704	12.081
9/10/2016 1:00	12.136	13.141	12.704	12.096
9/10/2016 2:00	11.868	13.141	12.704	12.107
9/10/2016 3:00	11.532	13.141	12.704	12.118
9/10/2016 4:00	11.105	13.141	12.704	12.128
9/10/2016 5:00	10.685	13.141	12.704	12.142
9/10/2016 6:00	10.267	13.141	12.704	12.154
9/10/2016 7:00	9.882	13.141	12.704	12.164
9/10/2016 8:00	9.526	13.079	12.704	12.176
9/10/2016 9:00	9.225	13.079	12.704	12.183
9/10/2016 10:00	9.177	13.079	12.704	12.191
9/10/2016 11:00	9.538	13.079	12.704	12.197
9/10/2016 12:00	10.333	13.079	12.704	12.203
9/10/2016 13:00	11.427	13.079	12.767	12.209
9/10/2016 14:00	12.482	13.079	12.704	12.213
9/10/2016 15:00	13.607	13.079	12.704	12.216
9/10/2016 16:00	14.593	13.079	12.767	12.218
9/10/2016 17:00	15.229	13.079	12.767	12.219
9/10/2016 18:00	15.436	13.079	12.767	12.224
9/10/2016 19:00	15.326	13.079	12.767	12.225
9/10/2016 20:00	14.915	13.079	12.767	12.228
9/10/2016 21:00	14.365	13.079	12.767	12.231
9/10/2016 22:00	13.889	13.016	12.767	12.228
9/10/2016 23:00	13.499	13.016	12.704	12.233
9/11/2016 0:00	13.15	13.016	12.767	12.234
9/11/2016 1:00	12.799	13.016	12.767	12.241
9/11/2016 2:00	12.459	13.016	12.767	12.24
9/11/2016 3:00	12.114	13.016	12.767	12.243
9/11/2016 4:00	11.756	13.016	12.767	12.247
9/11/2016 5:00	11.405	13.016	12.767	12.247
9/11/2016 6:00	11.054	13.016	12.767	12.25
9/11/2016 7:00	10.713	13.016	12.767	12.252
9/11/2016 8:00	10.441	13.016	12.767	12.252
9/11/2016 9:00	10.304	12.953	12.767	12.251
9/11/2016 10:00	10.345	12.953	12.767	12.247

9/11/2016 11:00	10.567	12.953	12.767	12.244
9/11/2016 12:00	10.831	12.953	12.767	12.247
9/11/2016 13:00	11.411	12.953	12.767	12.243
9/11/2016 14:00	12.728	12.953	12.767	12.24
9/11/2016 15:00	13.328	12.953	12.704	12.234
9/11/2016 16:00	14.07	12.953	12.704	12.231
9/11/2016 17:00	14.565	12.953	12.704	12.229
9/11/2016 18:00	14.7	12.953	12.704	12.226
9/11/2016 19:00	14.531	12.953	12.704	12.225
9/11/2016 20:00	14.026	12.953	12.704	12.222
9/11/2016 21:00	13.397	12.953	12.704	12.22
9/11/2016 22:00	12.901	12.953	12.704	12.222
9/11/2016 23:00	12.497	12.953	12.704	12.223
9/12/2016 0:00	12.189	12.953	12.704	12.224
9/12/2016 1:00	11.916	12.953	12.704	12.224
9/12/2016 2:00	11.674	12.953	12.704	12.229
9/12/2016 3:00	11.477	12.953	12.704	12.232
9/12/2016 4:00	11.288	12.953	12.704	12.236
9/12/2016 5:00	11.092	12.953	12.704	12.239
9/12/2016 6:00	10.901	12.953	12.704	12.244
9/12/2016 7:00	10.7	12.953	12.704	12.253
9/12/2016 8:00	10.489	12.953	12.704	12.257
9/12/2016 9:00	10.355	12.953	12.704	12.259
9/12/2016 10:00	10.421	12.953	12.704	12.268
9/12/2016 11:00	10.649	12.953	12.704	12.266
9/12/2016 12:00	10.849	12.953	12.704	12.271
9/12/2016 13:00	11.123	12.953	12.704	12.275
9/12/2016 14:00	11.434	12.953	12.704	12.275
9/12/2016 15:00	11.583	12.953	12.704	12.282
9/12/2016 16:00	11.611	12.953	12.704	12.284
9/12/2016 17:00	11.633	12.953	12.704	12.284
9/12/2016 18:00	11.627	12.953	12.704	12.287
9/12/2016 19:00	11.536	12.953	12.704	12.29
9/12/2016 20:00	11.312	12.953	12.704	12.295
9/12/2016 21:00	11.01	12.953	12.704	12.295
9/12/2016 22:00	10.761	12.953	12.704	12.301
9/12/2016 23:00	10.5	12.953	12.767	12.306
9/13/2016 0:00	10.182	12.953	12.767	12.307
9/13/2016 1:00	9.82	12.953	12.767	12.31
9/13/2016 2:00	9.419	12.953	12.767	12.315
9/13/2016 3:00	9.021	12.89	12.767	12.319

9/13/2016 4:00	8.643	12.953	12.767	12.324
9/13/2016 5:00	8.251	12.953	12.767	12.327
9/13/2016 6:00	7.792	12.89	12.767	12.328
9/13/2016 7:00	7.379	12.89	12.767	12.331
9/13/2016 8:00	7.007	12.89	12.767	12.332
9/13/2016 9:00	6.706	12.89	12.767	12.333
9/13/2016 10:00	6.707	12.89	12.767	12.333
9/13/2016 11:00	7.037	12.89	12.767	12.333
9/13/2016 12:00	7.853	12.89	12.767	12.332
9/13/2016 13:00	8.952	12.89	12.767	12.331
9/13/2016 14:00	9.952	12.89	12.767	12.324
9/13/2016 15:00	10.918	12.89	12.767	12.321
9/13/2016 16:00	11.791	12.89	12.767	12.314
9/13/2016 17:00	12.341	12.828	12.767	12.311
9/13/2016 18:00	12.577	12.828	12.704	12.304
9/13/2016 19:00	12.597	12.828	12.704	12.295
9/13/2016 20:00	12.28	12.828	12.704	12.282
9/13/2016 21:00	11.745	12.828	12.704	12.274
9/13/2016 22:00	11.284	12.828	12.704	12.262
9/13/2016 23:00	10.934	12.765	12.704	12.25
9/14/2016 0:00	10.622	12.765	12.704	12.238
9/14/2016 1:00	10.336	12.765	12.704	12.224
9/14/2016 2:00	10.039	12.765	12.704	12.207
9/14/2016 3:00	9.713	12.702	12.642	12.191
9/14/2016 4:00	9.404	12.702	12.642	12.17
9/14/2016 5:00	9.141	12.702	12.642	12.15
9/14/2016 6:00	8.823	12.702	12.642	12.129
9/14/2016 7:00	8.505	12.64	12.642	12.107
9/14/2016 8:00	8.192	12.64	12.579	12.081
9/14/2016 9:00	7.997	12.64	12.579	12.058
9/14/2016 10:00	7.998	12.64	12.579	12.025
9/14/2016 11:00	8.23	12.577	12.579	11.995
9/14/2016 12:00	8.839	12.577	12.516	11.964
9/14/2016 13:00	9.789	12.577	12.516	11.94
9/14/2016 14:00	10.767	12.577	12.516	11.903
9/14/2016 15:00	11.634	12.514	12.453	11.862
9/14/2016 16:00	12.089	12.514	12.453	11.826
9/14/2016 17:00	12.497	12.514	12.453	11.787
9/14/2016 18:00	12.65	12.514	12.391	11.749
9/14/2016 19:00	12.608	12.451	12.391	11.707
9/14/2016 20:00	12.436	12.451	12.328	11.672

9/14/2016 21:00	12.119	12.451	12.328	11.635
9/14/2016 22:00	11.747	12.389	12.265	11.6
9/14/2016 23:00	11.38	12.389	12.265	11.565
9/15/2016 0:00	11.038	12.389	12.203	11.533
9/15/2016 1:00	10.736	12.326	12.203	11.498
9/15/2016 2:00	10.429	12.326	12.203	11.468
9/15/2016 3:00	10.105	12.326	12.14	11.438
9/15/2016 4:00	9.771	12.326	12.14	11.411
9/15/2016 5:00	9.409	12.263	12.077	11.38
9/15/2016 6:00	9.064	12.263	12.077	11.355
9/15/2016 7:00	8.709	12.2	12.077	11.328
9/15/2016 8:00	8.361	12.2	12.014	11.3
9/15/2016 9:00	8.063	12.2	12.014	11.272
9/15/2016 10:00	8.031	12.2	11.952	11.247
9/15/2016 11:00	8.317	12.2	11.952	11.224
9/15/2016 12:00	9.067	12.138	11.952	11.197
9/15/2016 13:00	10.217	12.138	11.889	11.173
9/15/2016 14:00	11.245	12.138	11.889	11.148
9/15/2016 15:00	12.231	12.075	11.826	11.121
9/15/2016 16:00	13.097	12.075	11.826	11.097
9/15/2016 17:00	13.641	12.075	11.826	11.071
9/15/2016 18:00	13.919	12.075	11.764	11.047
9/15/2016 19:00	13.867	12.012	11.764	11.027
9/15/2016 20:00	13.456	12.012	11.701	11.003
9/15/2016 21:00	12.982	12.012	11.701	10.988
9/15/2016 22:00	12.635	12.012	11.701	10.971
9/15/2016 23:00	12.342	11.949	11.638	10.955
9/16/2016 0:00	12.06	11.949	11.638	10.942
9/16/2016 1:00	11.775	11.949	11.638	10.929
9/16/2016 2:00	11.501	11.949	11.638	10.918
9/16/2016 3:00	11.224	11.887	11.638	10.907
9/16/2016 4:00	10.897	11.887	11.575	10.9
9/16/2016 5:00	10.57	11.887	11.575	10.884
9/16/2016 6:00	10.254	11.887	11.575	10.879
9/16/2016 7:00	9.927	11.887	11.513	10.872
9/16/2016 8:00	9.589	11.824	11.513	10.863
9/16/2016 9:00	9.299	11.824	11.513	10.854
9/16/2016 10:00	9.187	11.824	11.513	10.845
9/16/2016 11:00	9.424	11.824	11.513	10.835
9/16/2016 12:00	10.12	11.824	11.45	10.829
9/16/2016 13:00	11.212	11.824	11.45	10.822

9/16/2016 14:00	12.215	11.761	11.45	10.811
9/16/2016 15:00	13.16	11.761	11.45	10.804
9/16/2016 16:00	13.67	11.761	11.45	10.792
9/16/2016 17:00	14.068	11.761	11.45	10.787
9/16/2016 18:00	14.206	11.761	11.387	10.78
9/16/2016 19:00	14.234	11.761	11.387	10.776
9/16/2016 20:00	13.889	11.761	11.387	10.772
9/16/2016 21:00	13.434	11.761	11.387	10.768
9/16/2016 22:00	13.008	11.698	11.387	10.768
9/16/2016 23:00	12.645	11.698	11.387	10.771
9/17/2016 0:00	12.312	11.698	11.387	10.772
9/17/2016 1:00	12.004	11.698	11.387	10.778
9/17/2016 2:00	11.698	11.698	11.387	10.781
9/17/2016 3:00	11.393	11.698	11.325	10.787
9/17/2016 4:00	11.052	11.698	11.325	10.794
9/17/2016 5:00	10.722	11.698	11.325	10.804
9/17/2016 6:00	10.418	11.698	11.325	10.809
9/17/2016 7:00	10.154	11.698	11.325	10.82
9/17/2016 8:00	9.922	11.698	11.325	10.823
9/17/2016 9:00	9.767	11.698	11.325	10.833
9/17/2016 10:00	9.726	11.698	11.325	10.844
9/17/2016 11:00	9.835	11.698	11.387	10.848
9/17/2016 12:00	10.171	11.698	11.387	10.857
9/17/2016 13:00	10.552	11.698	11.387	10.865
9/17/2016 14:00	10.985	11.698	11.387	10.873
9/17/2016 15:00	11.393	11.698	11.387	10.883
9/17/2016 16:00	12.243	11.698	11.387	10.893
9/17/2016 17:00	12.776	11.698	11.387	10.9
9/17/2016 18:00	13.103	11.698	11.387	10.91
9/17/2016 19:00	13.055	11.698	11.387	10.921
9/17/2016 20:00	12.828	11.698	11.387	10.931
9/17/2016 21:00	12.547	11.698	11.387	10.946
9/17/2016 22:00	12.314	11.698	11.387	10.96
9/17/2016 23:00	12.141	11.698	11.387	10.973
9/18/2016 0:00	11.98	11.698	11.387	10.99
9/18/2016 1:00	11.857	11.698	11.387	11.004
9/18/2016 2:00	11.787	11.698	11.45	11.023
9/18/2016 3:00	11.738	11.698	11.45	11.035
9/18/2016 4:00	11.691	11.698	11.45	11.051
9/18/2016 5:00	11.654	11.698	11.45	11.065
9/18/2016 6:00	11.603	11.698	11.45	11.082

9/18/2016 7:00	11.5	11.698	11.45	11.101
9/18/2016 8:00	11.361	11.761	11.513	11.114
9/18/2016 9:00	11.262	11.761	11.513	11.129
9/18/2016 10:00	11.333	11.761	11.513	11.147
9/18/2016 11:00	11.716	11.761	11.513	11.158
9/18/2016 12:00	12.31	11.761	11.513	11.169
9/18/2016 13:00	12.912	11.761	11.513	11.182
9/18/2016 14:00	13.518	11.761	11.575	11.191
9/18/2016 15:00	14.204	11.761	11.575	11.201
9/18/2016 16:00	14.552	11.761	11.575	11.212
9/18/2016 17:00	14.611	11.761	11.575	11.221
9/18/2016 18:00	14.175	11.761	11.575	11.232
9/18/2016 19:00	13.723	11.761	11.575	11.24
9/18/2016 20:00	13.355	11.761	11.575	11.249
9/18/2016 21:00	13.044	11.824	11.575	11.256
9/18/2016 22:00	12.712	11.824	11.638	11.265
9/18/2016 23:00	12.392	11.824	11.638	11.275
9/19/2016 0:00	12.087	11.824	11.638	11.285
9/19/2016 1:00	11.795	11.824	11.638	11.297
9/19/2016 2:00	11.497	11.824	11.638	11.308
9/19/2016 3:00	11.254	11.824	11.638	11.317
9/19/2016 4:00	11.042	11.824	11.638	11.326
9/19/2016 5:00	10.8	11.824	11.638	11.336
9/19/2016 6:00	10.62	11.824	11.638	11.346
9/19/2016 7:00	10.465	11.887	11.701	11.358
9/19/2016 8:00	10.26	11.887	11.701	11.366
9/19/2016 9:00	10.117	11.887	11.701	11.381
9/19/2016 10:00	10.139	11.887	11.701	11.389
9/19/2016 11:00	10.396	11.887	11.701	11.401
9/19/2016 12:00	10.855	11.887	11.701	11.414
9/19/2016 13:00	11.287	11.887	11.764	11.424
9/19/2016 14:00	11.891	11.887	11.764	11.44
9/19/2016 15:00	12.814	11.949	11.764	11.455
9/19/2016 16:00	13.6	11.949	11.764	11.476
9/19/2016 17:00	13.956	11.949	11.764	11.494
9/19/2016 18:00	13.956	11.949	11.764	11.514
9/19/2016 19:00	13.88	11.949	11.826	11.536
9/19/2016 20:00	13.759	11.949	11.826	11.56
9/19/2016 21:00	13.479	11.949	11.826	11.579
9/19/2016 22:00	13.2	11.949	11.826	11.604
9/19/2016 23:00	12.986	12.012	11.826	11.624

9/20/2016 0:00	12.806	12.012	11.889	11.646
9/20/2016 1:00	12.598	12.012	11.889	11.666
9/20/2016 2:00	12.333	12.012	11.889	11.682
9/20/2016 3:00	12.034	12.012	11.889	11.702
9/20/2016 4:00	11.747	12.012	11.889	11.717
9/20/2016 5:00	11.45	12.012	11.952	11.732
9/20/2016 6:00	11.215	12.012	11.952	11.746
9/20/2016 7:00	10.975	12.012	11.952	11.762
9/20/2016 8:00	10.774	12.012	11.952	11.771
9/20/2016 9:00	10.657	12.012	12.014	11.781
9/20/2016 10:00	10.723	12.075	12.014	11.788
9/20/2016 11:00	10.946	12.075	12.014	11.8
9/20/2016 12:00	11.345	12.075	12.014	11.804
9/20/2016 13:00	11.773	12.075	12.014	11.812
9/20/2016 14:00	12.221	12.075	12.014	11.815
9/20/2016 15:00	12.447	12.075	12.014	11.82
9/20/2016 16:00	12.616	12.075	12.077	11.826
9/20/2016 17:00	12.74	12.075	12.077	11.83
9/20/2016 18:00	12.836	12.138	12.077	11.832
9/20/2016 19:00	12.761	12.138	12.077	11.837
9/20/2016 20:00	12.592	12.138	12.077	11.842
9/20/2016 21:00	12.42	12.138	12.077	11.847
9/20/2016 22:00	12.264	12.138	12.077	11.85
9/20/2016 23:00	12.115	12.138	12.077	11.856
9/21/2016 0:00	11.934	12.138	12.14	11.859
9/21/2016 1:00	11.709	12.138	12.14	11.865
9/21/2016 2:00	11.469	12.138	12.14	11.873
9/21/2016 3:00	11.275	12.138	12.14	11.881
9/21/2016 4:00	11.112	12.138	12.14	11.888
9/21/2016 5:00	10.967	12.2	12.14	11.892
9/21/2016 6:00	10.842	12.2	12.14	11.901
9/21/2016 7:00	10.682	12.2	12.14	11.905
9/21/2016 8:00	10.547	12.2	12.14	11.912
9/21/2016 9:00	10.494	12.2	12.14	11.92
9/21/2016 10:00	10.552	12.2	12.14	11.923
9/21/2016 11:00	10.774	12.2	12.203	11.928
9/21/2016 12:00	11.124	12.2	12.203	11.934
9/21/2016 13:00	11.558	12.2	12.203	11.939
9/21/2016 14:00	12.011	12.2	12.203	11.945
9/21/2016 15:00	12.171	12.2	12.203	11.949
9/21/2016 16:00	12.295	12.2	12.203	11.95

9/21/2016 17:00	12.415	12.2	12.203	11.953
9/21/2016 18:00	12.524	12.2	12.203	11.957
9/21/2016 19:00	12.521	12.2	12.203	11.962
9/21/2016 20:00	12.421	12.2	12.203	11.964
9/21/2016 21:00	12.292	12.263	12.203	11.966
9/21/2016 22:00	12.185	12.263	12.203	11.968
9/21/2016 23:00	12.087	12.263	12.265	11.971
9/22/2016 0:00	11.949	12.263	12.265	11.974
9/22/2016 1:00	11.8	12.263	12.265	11.974
9/22/2016 2:00	11.646	12.263	12.265	11.977
9/22/2016 3:00	11.499	12.263	12.265	11.977
9/22/2016 4:00	11.367	12.263	12.265	11.98
9/22/2016 5:00	11.237	12.263	12.265	11.983
9/22/2016 6:00	11.118	12.263	12.265	11.981
9/22/2016 7:00	11.013	12.263	12.265	11.98
9/22/2016 8:00	10.918	12.263	12.265	11.979
9/22/2016 9:00	10.853	12.263	12.265	11.975
9/22/2016 10:00	10.846	12.263	12.265	11.97
9/22/2016 11:00	10.93	12.263	12.265	11.967
9/22/2016 12:00	11.101	12.263	12.265	11.968
9/22/2016 13:00	11.29	12.263	12.265	11.959
9/22/2016 14:00	11.586	12.263	12.265	11.955
9/22/2016 15:00	12.033	12.263	12.265	11.948
9/22/2016 16:00	12.332	12.263	12.265	11.945
9/22/2016 17:00	12.54	12.263	12.265	11.937
9/22/2016 18:00	12.717	12.263	12.265	11.932
9/22/2016 19:00	12.664	12.263	12.265	11.925
9/22/2016 20:00	12.562	12.263	12.265	11.919
9/22/2016 21:00	12.447	12.263	12.265	11.913
9/22/2016 22:00	12.303	12.263	12.265	11.909
9/22/2016 23:00	12.165	12.263	12.265	11.901
9/23/2016 0:00	12.034	12.263	12.265	11.899
9/23/2016 1:00	11.877	12.263	12.265	11.893
9/23/2016 2:00	11.702	12.263	12.265	11.886
9/23/2016 3:00	11.535	12.263	12.265	11.882
9/23/2016 4:00	11.374	12.263	12.265	11.879
9/23/2016 5:00	11.276	12.263	12.265	11.874
9/23/2016 6:00	11.193	12.263	12.203	11.869
9/23/2016 7:00	11.099	12.263	12.203	11.866
9/23/2016 8:00	10.995	12.263	12.203	11.86
9/23/2016 9:00	10.929	12.263	12.203	11.856

9/23/2016 10:00	11.042	12.263	12.203	11.852
9/23/2016 11:00	11.258	12.263	12.203	11.85
9/23/2016 12:00	11.475	12.2	12.203	11.844
9/23/2016 13:00	11.827	12.2	12.203	11.84
9/23/2016 14:00	12.123	12.263	12.203	11.836
9/23/2016 15:00	12.275	12.263	12.203	11.833
9/23/2016 16:00	12.804	12.2	12.203	11.826
9/23/2016 17:00	12.911	12.2	12.203	11.824
9/23/2016 18:00	12.89	12.2	12.203	11.821
9/23/2016 19:00	12.611	12.2	12.203	11.818
9/23/2016 20:00	12.508	12.2	12.203	11.816
9/23/2016 21:00	12.308	12.2	12.203	11.81
9/23/2016 22:00	12.07	12.2	12.203	11.808
9/23/2016 23:00	11.905	12.2	12.203	11.807
9/24/2016 0:00	11.754	12.2	12.203	11.807
9/24/2016 1:00	11.624	12.2	12.203	11.804
9/24/2016 2:00	11.444	12.2	12.203	11.804
9/24/2016 3:00	11.229	12.2	12.14	11.801
9/24/2016 4:00	11.012	12.2	12.14	11.802
9/24/2016 5:00	10.753	12.2	12.14	11.801
9/24/2016 6:00	10.541	12.2	12.14	11.8
9/24/2016 7:00	10.358	12.2	12.14	11.799
9/24/2016 8:00	10.139	12.2	12.14	11.801
9/24/2016 9:00	10.004	12.2	12.14	11.8
9/24/2016 10:00	10.092	12.2	12.14	11.797
9/24/2016 11:00	10.348	12.2	12.14	11.799
9/24/2016 12:00	10.75	12.2	12.14	11.798
9/24/2016 13:00	11.179	12.2	12.14	11.798
9/24/2016 14:00	11.561	12.2	12.14	11.796
9/24/2016 15:00	11.786	12.2	12.14	11.794
9/24/2016 16:00	11.845	12.2	12.14	11.791
9/24/2016 17:00	11.722	12.2	12.14	11.792
9/24/2016 18:00	11.811	12.2	12.14	11.792
9/24/2016 19:00	11.769	12.2	12.14	11.796
9/24/2016 20:00	11.67	12.2	12.14	11.792
9/24/2016 21:00	11.483	12.2	12.14	11.794
9/24/2016 22:00	11.3	12.2	12.14	11.795
9/24/2016 23:00	11.07	12.2	12.14	11.797
9/25/2016 0:00	10.877	12.2	12.14	11.801
9/25/2016 1:00	10.654	12.2	12.14	11.797
9/25/2016 2:00	10.413	12.2	12.14	11.8

9/25/2016 3:00	10.105	12.2	12.14	11.8
9/25/2016 4:00	9.758	12.2	12.14	11.8
9/25/2016 5:00	9.398	12.138	12.14	11.803
9/25/2016 6:00	9.117	12.138	12.14	11.801
9/25/2016 7:00	8.895	12.138	12.14	11.799
9/25/2016 8:00	8.677	12.138	12.14	11.798
9/25/2016 9:00	8.553	12.138	12.14	11.798
9/25/2016 10:00	8.615	12.138	12.14	11.797
9/25/2016 11:00	8.83	12.138	12.14	11.796
9/25/2016 12:00	9.264	12.138	12.14	11.788
9/25/2016 13:00	9.738	12.138	12.14	11.789
9/25/2016 14:00	10.566	12.138	12.14	11.783
9/25/2016 15:00	11.207	12.138	12.14	11.777
9/25/2016 16:00	11.461	12.138	12.14	11.774
9/25/2016 17:00	11.617	12.138	12.14	11.765
9/25/2016 18:00	11.709	12.138	12.14	11.762
9/25/2016 19:00	11.632	12.138	12.14	11.755
9/25/2016 20:00	11.6	12.138	12.14	11.746
9/25/2016 21:00	11.561	12.138	12.077	11.738
9/25/2016 22:00	11.522	12.075	12.077	11.73
9/25/2016 23:00	11.427	12.075	12.077	11.724
9/26/2016 0:00	11.234	12.075	12.077	11.715
9/26/2016 1:00	11.015	12.075	12.077	11.705
9/26/2016 2:00	10.77	12.075	12.077	11.702
9/26/2016 3:00	10.49	12.075	12.077	11.69
9/26/2016 4:00	10.181	12.075	12.077	11.679
9/26/2016 5:00	9.854	12.075	12.077	11.669
9/26/2016 6:00	9.546	12.012	12.077	11.654
9/26/2016 7:00	9.258	12.012	12.077	11.645
9/26/2016 8:00	8.965	12.012	12.014	11.632
9/26/2016 9:00	8.724	12.012	12.014	11.619
9/26/2016 10:00	8.621	12.012	12.014	11.604
9/26/2016 11:00	8.782	12.012	12.014	11.592
9/26/2016 12:00	9.287	12.012	12.014	11.572
9/26/2016 13:00	10.064	11.949	12.014	11.553
9/26/2016 14:00	10.87	11.949	12.014	11.54
9/26/2016 15:00	11.667	11.949	11.952	11.519
9/26/2016 16:00	12.405	11.949	11.952	11.5
9/26/2016 17:00	12.771	11.949	11.952	11.48
9/26/2016 18:00	12.921	11.949	11.952	11.46
9/26/2016 19:00	12.838	11.949	11.952	11.441

9/26/2016 20:00	12.698	11.949	11.889	11.419
9/26/2016 21:00	12.585	11.887	11.889	11.398
9/26/2016 22:00	12.488	11.887	11.889	11.381
9/26/2016 23:00	12.358	11.887	11.889	11.367
9/27/2016 0:00	12.189	11.887	11.826	11.346
9/27/2016 1:00	11.971	11.887	11.826	11.332
9/27/2016 2:00	11.669	11.887	11.826	11.313
9/27/2016 3:00	11.329	11.824	11.826	11.297
9/27/2016 4:00	10.964	11.824	11.764	11.279
9/27/2016 5:00	10.599	11.824	11.764	11.265
9/27/2016 6:00	10.228	11.824	11.764	11.248
9/27/2016 7:00	9.88	11.824	11.764	11.236
9/27/2016 8:00	9.535	11.824	11.764	11.22
9/27/2016 9:00	9.253	11.824	11.701	11.206
9/27/2016 10:00	9.113	11.824	11.701	11.192
9/27/2016 11:00	9.26	11.761	11.701	11.175
9/27/2016 12:00	9.794	11.761	11.701	11.159
9/27/2016 13:00	10.582	11.761	11.701	11.146
9/27/2016 14:00	11.39	11.761	11.638	11.135
9/27/2016 15:00	12.16	11.761	11.638	11.122
9/27/2016 16:00	12.875	11.761	11.638	11.103
9/27/2016 17:00	13.281	11.761	11.638	11.09
9/27/2016 18:00	13.462	11.761	11.638	11.079
9/27/2016 19:00	13.367	11.761	11.575	11.065
9/27/2016 20:00	13.226	11.761	11.575	11.057
9/27/2016 21:00	13.12	11.698	11.575	11.048
9/27/2016 22:00	13.048	11.698	11.575	11.04
9/27/2016 23:00	12.957	11.698	11.575	11.034
9/28/2016 0:00	12.791	11.698	11.575	11.033
9/28/2016 1:00	12.565	11.698	11.513	11.026
9/28/2016 2:00	12.297	11.698	11.513	11.027
9/28/2016 3:00	12.004	11.698	11.513	11.022
9/28/2016 4:00	11.677	11.698	11.513	11.02
9/28/2016 5:00	11.365	11.698	11.513	11.022
9/28/2016 6:00	11.069	11.698	11.513	11.021
9/28/2016 7:00	10.765	11.698	11.513	11.021
9/28/2016 8:00	10.461	11.698	11.513	11.026
9/28/2016 9:00	10.191	11.698	11.513	11.023
9/28/2016 10:00	10.039	11.698	11.513	11.028
9/28/2016 11:00	10.155	11.698	11.513	11.025
9/28/2016 12:00	10.664	11.698	11.513	11.025

9/28/2016 13:00	11.421	11.698	11.513	11.03
9/28/2016 14:00	12.145	11.698	11.45	11.031
9/28/2016 15:00	12.821	11.698	11.513	11.031
9/28/2016 16:00	13.435	11.698	11.513	11.035
9/28/2016 17:00	13.781	11.698	11.45	11.038
9/28/2016 18:00	13.865	11.698	11.513	11.041
9/28/2016 19:00	13.727	11.698	11.45	11.044
9/28/2016 20:00	13.537	11.698	11.45	11.049
9/28/2016 21:00	13.402	11.698	11.45	11.056
9/28/2016 22:00	13.303	11.698	11.45	11.065
9/28/2016 23:00	13.179	11.698	11.45	11.071
9/29/2016 0:00	13.01	11.698	11.45	11.077
9/29/2016 1:00	12.806	11.698	11.513	11.089
9/29/2016 2:00	12.527	11.698	11.513	11.098
9/29/2016 3:00	12.209	11.698	11.513	11.105
9/29/2016 4:00	11.869	11.698	11.513	11.118
9/29/2016 5:00	11.492	11.698	11.513	11.133
9/29/2016 6:00	11.121	11.698	11.513	11.145
9/29/2016 7:00	10.729	11.698	11.513	11.15
9/29/2016 8:00	10.38	11.698	11.513	11.166
9/29/2016 9:00	10.074	11.698	11.513	11.176
9/29/2016 10:00	9.892	11.698	11.513	11.187
9/29/2016 11:00	10.008	11.698	11.513	11.201
9/29/2016 12:00	10.489	11.698	11.513	11.208
9/29/2016 13:00	11.14	11.761	11.575	11.219
9/29/2016 14:00	11.864	11.761	11.575	11.235
9/29/2016 15:00	12.132	11.761	11.575	11.246
9/29/2016 16:00	12.869	11.761	11.575	11.257
9/29/2016 17:00	13.422	11.761	11.575	11.271
9/29/2016 18:00	13.669	11.761	11.575	11.284
9/29/2016 19:00	13.574	11.761	11.575	11.295
9/29/2016 20:00	13.373	11.761	11.638	11.31
9/29/2016 21:00	13.219	11.824	11.638	11.324
9/29/2016 22:00	13.068	11.824	11.638	11.338
9/29/2016 23:00	12.874	11.824	11.638	11.355
9/30/2016 0:00	12.634	11.824	11.638	11.37
9/30/2016 1:00	12.416	11.824	11.638	11.388
9/30/2016 2:00	12.167	11.824	11.701	11.403
9/30/2016 3:00	11.882	11.824	11.701	11.418
9/30/2016 4:00	11.568	11.824	11.701	11.434
9/30/2016 5:00	11.287	11.824	11.701	11.45

9/30/2016 6:00	11.033	11.887	11.701	11.464
9/30/2016 7:00	10.867	11.887	11.701	11.483
9/30/2016 8:00	10.622	11.887	11.764	11.497
9/30/2016 9:00	10.37	11.887	11.764	11.511
9/30/2016 10:00	10.213	11.887	11.764	11.522
9/30/2016 11:00	10.352	11.887	11.764	11.539
9/30/2016 12:00	10.865	11.887	11.764	11.548
9/30/2016 13:00	11.633	11.887	11.826	11.558
9/30/2016 14:00	12.151	11.949	11.826	11.57
9/30/2016 15:00	12.571	11.949	11.826	11.582
9/30/2016 16:00	12.891	11.949	11.826	11.59
9/30/2016 17:00	13.221	11.949	11.826	11.599
9/30/2016 18:00	13.581	11.949	11.826	11.612
9/30/2016 19:00	13.757	11.949	11.889	11.622
9/30/2016 20:00	13.7	11.949	11.889	11.628
9/30/2016 21:00	13.612	11.949	11.889	11.639
9/30/2016 22:00	13.479	12.012	11.889	11.652
9/30/2016 23:00	13.321	12.012	11.889	11.659
10/1/2016 0:00	13.107	12.012	11.889	11.667
10/1/2016 1:00	12.852	12.012	11.889	11.678
10/1/2016 2:00	12.563	12.012	11.952	11.688
10/1/2016 3:00	12.247	12.012	11.952	11.699
10/1/2016 4:00	11.926	12.012	11.952	11.705
10/1/2016 5:00	11.602	12.012	11.952	11.715
10/1/2016 6:00	11.343	12.012	11.952	11.722
10/1/2016 7:00	11.175	12.012	11.952	11.732
10/1/2016 8:00	11.088	12.075	11.952	11.741
10/1/2016 9:00	11.022	12.075	12.014	11.747
10/1/2016 10:00	10.982	12.075	12.014	11.756
10/1/2016 11:00	11.104	12.075	12.014	11.762
10/1/2016 12:00	11.581	12.075	12.014	11.763
10/1/2016 13:00	12.12	12.075	12.014	11.767
10/1/2016 14:00	12.596	12.075	12.014	11.777
10/1/2016 15:00	13.249	12.075	12.014	11.78
10/1/2016 16:00	13.463	12.075	12.077	11.785
10/1/2016 17:00	13.604	12.138	12.077	11.79
10/1/2016 18:00	13.395	12.138	12.077	11.795
10/1/2016 19:00	12.966	12.138	12.077	11.799
10/1/2016 20:00	12.575	12.138	12.077	11.805
10/1/2016 21:00	12.187	12.138	12.077	11.812
10/1/2016 22:00	11.844	12.138	12.077	11.817

10/1/2016 23:00	11.516	12.138	12.077	11.825
10/2/2016 0:00	11.192	12.138	12.077	11.832
10/2/2016 1:00	10.836	12.138	12.077	11.841
10/2/2016 2:00	10.436	12.2	12.14	11.847
10/2/2016 3:00	10	12.2	12.14	11.857
10/2/2016 4:00	9.561	12.2	12.14	11.863
10/2/2016 5:00	9.121	12.2	12.14	11.872
10/2/2016 6:00	8.7	12.2	12.14	11.879
10/2/2016 7:00	8.339	12.2	12.14	11.888
10/2/2016 8:00	7.989	12.2	12.14	11.895
10/2/2016 9:00	7.63	12.2	12.14	11.906
10/2/2016 10:00	7.406	12.2	12.14	11.913
10/2/2016 11:00	7.454	12.263	12.203	11.921
10/2/2016 12:00	7.922	12.263	12.203	11.926
10/2/2016 13:00	8.664	12.263	12.203	11.934
10/2/2016 14:00	9.241	12.263	12.203	11.941
10/2/2016 15:00	9.806	12.263	12.203	11.949
10/2/2016 16:00	10.186	12.263	12.203	11.956
10/2/2016 17:00	10.631	12.263	12.203	11.966
10/2/2016 18:00	10.797	12.263	12.203	11.971
10/2/2016 19:00	10.857	12.263	12.265	11.976
10/2/2016 20:00	10.746	12.263	12.265	11.983
10/2/2016 21:00	10.591	12.263	12.265	11.988
10/2/2016 22:00	10.382	12.263	12.265	11.996
10/2/2016 23:00	10.153	12.263	12.265	12
10/3/2016 0:00	9.915	12.263	12.265	12.005
10/3/2016 1:00	9.702	12.263	12.265	12.006
10/3/2016 2:00	9.442	12.263	12.265	12.011
10/3/2016 3:00	9.159	12.263	12.265	12.01
10/3/2016 4:00	8.877	12.263	12.265	12.011
10/3/2016 5:00	8.608	12.263	12.265	12.01
10/3/2016 6:00	8.428	12.263	12.265	12.005
10/3/2016 7:00	8.289	12.263	12.265	12
10/3/2016 8:00	8.165	12.263	12.265	11.991
10/3/2016 9:00	8.066	12.263	12.265	11.982
10/3/2016 10:00	7.983	12.263	12.265	11.969
10/3/2016 11:00	8.011	12.263	12.265	11.956
10/3/2016 12:00	8.136	12.2	12.265	11.935
10/3/2016 13:00	8.371	12.2	12.265	11.92
10/3/2016 14:00	8.578	12.2	12.265	11.898
10/3/2016 15:00	8.758	12.2	12.265	11.871

10/3/2016 16:00	8.965	12.2	12.265	11.844
10/3/2016 17:00	9.207	12.2	12.265	11.813
10/3/2016 18:00	9.293	12.2	12.203	11.785
10/3/2016 19:00	9.274	12.138	12.203	11.751
10/3/2016 20:00	9.21	12.138	12.203	11.716
10/3/2016 21:00	9.139	12.138	12.203	11.686
10/3/2016 22:00	9.061	12.138	12.14	11.645
10/3/2016 23:00	8.987	12.138	12.14	11.61
10/4/2016 0:00	8.913	12.138	12.14	11.578
10/4/2016 1:00	8.838	12.075	12.14	11.54
10/4/2016 2:00	8.756	12.075	12.077	11.504
10/4/2016 3:00	8.664	12.075	12.077	11.465
10/4/2016 4:00	8.538	12.075	12.014	11.429
10/4/2016 5:00	8.418	12.012	12.014	11.389
10/4/2016 6:00	8.308	12.012	12.014	11.351
10/4/2016 7:00	8.214	12.012	11.952	11.311
10/4/2016 8:00	8.145	12.012	11.952	11.271
10/4/2016 9:00	8.095	11.949	11.889	11.227
10/4/2016 10:00	8.126	11.949	11.889	11.191
10/4/2016 11:00	8.23	11.949	11.826	11.147
10/4/2016 12:00	8.409	11.887	11.826	11.077

Balsamroot

Date/Time	Depths Below the Streambed			
	0	0.48	0.88	1.3
	Temperature (°C)			
9/13/16 20:00	12.485	12.854	12.605	12.217
9/13/16 21:00	11.972	12.854	12.605	12.215
9/13/16 22:00	11.521	12.854	12.605	12.214
9/13/16 23:00	11.094	12.854	12.605	12.214
9/14/16 0:00	10.707	12.791	12.605	12.212
9/14/16 1:00	10.379	12.791	12.605	12.21
9/14/16 2:00	10.064	12.791	12.605	12.21
9/14/16 3:00	9.796	12.791	12.605	12.206
9/14/16 4:00	9.573	12.791	12.605	12.206
9/14/16 5:00	9.362	12.791	12.605	12.205
9/14/16 6:00	9.058	12.791	12.605	12.201
9/14/16 7:00	8.785	12.791	12.605	12.202
9/14/16 8:00	8.61	12.791	12.605	12.201
9/14/16 9:00	8.478	12.728	12.605	12.199
9/14/16 10:00	8.462	12.728	12.543	12.198
9/14/16 11:00	8.719	12.728	12.543	12.195
9/14/16 12:00	9.45	12.728	12.543	12.197
9/14/16 13:00	10.511	12.728	12.543	12.196
9/14/16 14:00	11.635	12.728	12.543	12.195
9/14/16 15:00	12.714	12.728	12.543	12.192
9/14/16 16:00	13.039	12.728	12.543	12.189
9/14/16 17:00	13.155	12.728	12.543	12.213
9/14/16 18:00	12.952	12.728	12.543	12.19
9/14/16 19:00	12.725	12.728	12.543	12.187
9/14/16 20:00	12.402	12.728	12.543	12.185
9/14/16 21:00	12.058	12.666	12.543	12.184
9/14/16 22:00	11.679	12.666	12.543	12.182
9/14/16 23:00	11.336	12.666	12.543	12.177
9/15/16 0:00	10.983	12.666	12.543	12.178
9/15/16 1:00	10.648	12.666	12.543	12.181
9/15/16 2:00	10.343	12.666	12.543	12.176
9/15/16 3:00	10.062	12.666	12.543	12.176
9/15/16 4:00	9.808	12.666	12.543	12.172
9/15/16 5:00	9.55	12.666	12.543	12.172

9/15/16 6:00	9.278	12.666	12.543	12.17
9/15/16 7:00	8.992	12.666	12.543	12.166
9/15/16 8:00	8.726	12.666	12.543	12.163
9/15/16 9:00	8.549	12.666	12.543	12.165
9/15/16 10:00	8.521	12.666	12.543	12.163
9/15/16 11:00	8.821	12.666	12.48	12.161
9/15/16 12:00	9.688	12.666	12.543	12.161
9/15/16 13:00	11.024	12.666	12.48	12.16
9/15/16 14:00	12.587	12.666	12.48	12.16
9/15/16 15:00	13.893	12.666	12.48	12.157
9/15/16 16:00	14.785	12.666	12.48	12.156
9/15/16 17:00	15.116	12.666	12.48	12.156
9/15/16 18:00	14.718	12.666	12.48	12.154
9/15/16 19:00	14.094	12.666	12.48	12.152
9/15/16 20:00	13.591	12.666	12.48	12.149
9/15/16 21:00	13.168	12.666	12.48	12.148
9/15/16 22:00	12.76	12.666	12.48	12.152
9/15/16 23:00	12.352	12.666	12.48	12.149
9/16/16 0:00	12.013	12.666	12.48	12.147
9/16/16 1:00	11.685	12.666	12.48	12.147
9/16/16 2:00	11.352	12.666	12.48	12.142
9/16/16 3:00	11.08	12.666	12.48	12.141
9/16/16 4:00	10.826	12.666	12.48	12.141
9/16/16 5:00	10.571	12.666	12.48	12.138
9/16/16 6:00	10.319	12.666	12.48	12.137
9/16/16 7:00	10.058	12.666	12.48	12.136
9/16/16 8:00	9.799	12.666	12.48	12.137
9/16/16 9:00	9.613	12.666	12.48	12.134
9/16/16 10:00	9.568	12.666	12.48	12.132
9/16/16 11:00	9.84	12.666	12.48	12.135
9/16/16 12:00	10.682	12.666	12.48	12.131
9/16/16 13:00	11.968	12.666	12.48	12.13
9/16/16 14:00	13.549	12.666	12.48	12.13
9/16/16 15:00	14.807	12.666	12.48	12.129
9/16/16 16:00	15.521	12.666	12.48	12.131
9/16/16 17:00	15.618	12.666	12.48	12.128
9/16/16 18:00	15.061	12.666	12.48	12.127
9/16/16 19:00	14.516	12.666	12.48	12.126
9/16/16 20:00	13.988	12.666	12.48	12.124
9/16/16 21:00	13.457	12.666	12.48	12.125
9/16/16 22:00	12.998	12.666	12.48	12.123

9/16/16 23:00	12.583	12.666	12.48	12.122
9/17/16 0:00	12.222	12.666	12.48	12.118
9/17/16 1:00	11.886	12.666	12.48	12.118
9/17/16 2:00	11.594	12.666	12.48	12.117
9/17/16 3:00	11.336	12.666	12.48	12.115
9/17/16 4:00	11.081	12.666	12.48	12.117
9/17/16 5:00	10.916	12.666	12.48	12.115
9/17/16 6:00	10.722	12.666	12.48	12.111
9/17/16 7:00	10.542	12.666	12.48	12.111
9/17/16 8:00	10.358	12.666	12.48	12.11
9/17/16 9:00	10.274	12.666	12.48	12.11
9/17/16 10:00	10.332	12.666	12.48	12.109
9/17/16 11:00	10.487	12.666	12.48	12.111
9/17/16 12:00	10.841	12.666	12.48	12.111
9/17/16 13:00	11.241	12.666	12.48	12.105
9/17/16 14:00	11.476	12.666	12.48	12.107
9/17/16 15:00	11.784	12.666	12.48	12.106
9/17/16 16:00	12.802	12.728	12.48	12.35
9/17/16 17:00	13.476	12.666	12.48	12.126
9/17/16 18:00	13.571	12.666	12.48	12.116
9/17/16 19:00	13.214	12.666	12.48	12.118
9/17/16 20:00	12.902	12.666	12.48	12.113
9/17/16 21:00	12.697	12.666	12.48	12.115
9/17/16 22:00	12.512	12.666	12.48	12.116
9/17/16 23:00	12.299	12.666	12.48	12.113
9/18/16 0:00	12.103	12.666	12.48	12.113
9/18/16 1:00	11.983	12.666	12.48	12.112
9/18/16 2:00	11.918	12.666	12.48	12.111
9/18/16 3:00	11.85	12.666	12.48	12.11
9/18/16 4:00	11.77	12.666	12.48	12.113
9/18/16 5:00	11.712	12.666	12.48	12.109
9/18/16 6:00	11.631	12.666	12.48	12.109
9/18/16 7:00	11.495	12.666	12.48	12.112
9/18/16 8:00	11.324	12.666	12.48	12.108
9/18/16 9:00	11.274	12.666	12.48	12.109
9/18/16 10:00	11.401	12.666	12.417	12.109
9/18/16 11:00	11.707	12.666	12.48	12.107
9/18/16 12:00	12.489	12.666	12.417	12.108
9/18/16 13:00	12.978	12.666	12.48	12.108
9/18/16 14:00	13.296	12.666	12.417	12.105
9/18/16 15:00	13.82	12.666	12.48	12.104

9/18/16 16:00	14.341	12.666	12.48	12.104
9/18/16 17:00	14.806	12.666	12.417	12.1
9/18/16 18:00	14.446	12.666	12.417	12.103
9/18/16 19:00	14.137	12.666	12.417	12.099
9/18/16 20:00	13.818	12.666	12.417	12.1
9/18/16 21:00	13.4	12.666	12.417	12.099
9/18/16 22:00	12.974	12.666	12.417	12.098
9/18/16 23:00	12.584	12.666	12.48	12.1
9/19/16 0:00	12.208	12.666	12.417	12.098
9/19/16 1:00	11.852	12.666	12.48	12.101
9/19/16 2:00	11.523	12.666	12.48	12.097
9/19/16 3:00	11.236	12.666	12.417	12.097
9/19/16 4:00	10.973	12.666	12.48	12.096
9/19/16 5:00	10.72	12.666	12.417	12.098
9/19/16 6:00	10.612	12.666	12.48	12.098
9/19/16 7:00	10.497	12.728	12.48	12.097
9/19/16 8:00	10.336	12.728	12.48	12.098
9/19/16 9:00	10.294	12.728	12.417	12.095
9/19/16 10:00	10.414	12.728	12.48	12.098
9/19/16 11:00	10.734	12.728	12.48	12.097
9/19/16 12:00	11.2	12.728	12.417	12.099
9/19/16 13:00	11.61	12.728	12.48	12.094
9/19/16 14:00	12.128	12.728	12.48	12.096
9/19/16 15:00	12.76	12.728	12.48	12.099
9/19/16 16:00	13.819	12.728	12.48	12.097
9/19/16 17:00	14.19	12.728	12.48	12.096
9/19/16 18:00	14.025	12.728	12.48	12.098
9/19/16 19:00	13.81	12.728	12.48	12.095
9/19/16 20:00	13.599	12.728	12.48	12.098
9/19/16 21:00	13.455	12.728	12.48	12.095
9/19/16 22:00	13.23	12.728	12.48	12.099
9/19/16 23:00	12.961	12.728	12.48	12.097
9/20/16 0:00	12.69	12.728	12.48	12.096
9/20/16 1:00	12.449	12.728	12.48	12.098
9/20/16 2:00	12.262	12.728	12.48	12.098
9/20/16 3:00	12.058	12.728	12.48	12.094
9/20/16 4:00	11.832	12.728	12.48	12.097
9/20/16 5:00	11.612	12.728	12.48	12.093
9/20/16 6:00	11.419	12.728	12.48	12.095
9/20/16 7:00	11.176	12.728	12.48	12.098
9/20/16 8:00	10.963	12.728	12.48	12.097

9/20/16 9:00	10.883	12.728	12.48	12.097
9/20/16 10:00	10.965	12.666	12.48	12.097
9/20/16 11:00	11.191	12.728	12.48	12.096
9/20/16 12:00	11.626	12.728	12.48	12.094
9/20/16 13:00	12.047	12.666	12.48	12.098
9/20/16 14:00	12.484	12.666	12.48	12.094
9/20/16 15:00	12.649	12.728	12.48	12.095
9/20/16 16:00	12.676	12.666	12.48	12.094
9/20/16 17:00	12.753	12.728	12.417	12.096
9/20/16 18:00	12.792	12.666	12.417	12.093
9/20/16 19:00	12.689	12.666	12.48	12.094
9/20/16 20:00	12.536	12.666	12.417	12.092
9/20/16 21:00	12.379	12.666	12.417	12.093
9/20/16 22:00	12.24	12.666	12.417	12.091
9/20/16 23:00	12.107	12.666	12.48	12.093
9/21/16 0:00	11.972	12.666	12.417	12.09
9/21/16 1:00	11.739	12.666	12.417	12.092
9/21/16 2:00	11.547	12.666	12.48	12.093
9/21/16 3:00	11.378	12.666	12.48	12.09
9/21/16 4:00	11.213	12.666	12.48	12.091
9/21/16 5:00	11.076	12.666	12.48	12.092
9/21/16 6:00	10.961	12.666	12.417	12.088
9/21/16 7:00	10.795	12.666	12.417	12.091
9/21/16 8:00	10.682	12.666	12.48	12.087
9/21/16 9:00	10.643	12.666	12.417	12.091
9/21/16 10:00	10.709	12.666	12.417	12.089
9/21/16 11:00	11.014	12.666	12.417	12.089
9/21/16 12:00	11.369	12.666	12.417	12.09
9/21/16 13:00	11.83	12.666	12.48	12.086
9/21/16 14:00	12.339	12.666	12.417	12.087
9/21/16 15:00	12.335	12.666	12.417	12.088
9/21/16 16:00	12.478	12.666	12.417	12.087
9/21/16 17:00	12.486	12.666	12.417	12.089
9/21/16 18:00	12.47	12.666	12.417	12.087
9/21/16 19:00	12.361	12.666	12.417	12.088
9/21/16 20:00	12.267	12.666	12.417	12.086
9/21/16 21:00	12.191	12.666	12.417	12.085
9/21/16 22:00	12.117	12.666	12.417	12.088
9/21/16 23:00	12.017	12.666	12.417	12.087
9/22/16 0:00	11.903	12.666	12.417	12.088
9/22/16 1:00	11.795	12.666	12.417	12.086

9/22/16 2:00	11.677	12.666	12.417	12.084
9/22/16 3:00	11.556	12.666	12.417	12.086
9/22/16 4:00	11.445	12.666	12.417	12.087
9/22/16 5:00	11.331	12.666	12.417	12.083
9/22/16 6:00	11.219	12.666	12.417	12.083
9/22/16 7:00	11.111	12.666	12.417	12.083
9/22/16 8:00	11.011	12.666	12.417	12.084
9/22/16 9:00	10.958	12.666	12.417	12.082
9/22/16 10:00	10.966	12.666	12.417	12.085
9/22/16 11:00	11.072	12.666	12.417	12.083
9/22/16 12:00	11.276	12.666	12.417	12.083
9/22/16 13:00	11.438	12.666	12.417	12.08
9/22/16 14:00	11.746	12.666	12.417	12.082
9/22/16 15:00	12.108	12.666	12.417	12.083
9/22/16 16:00	12.272	12.666	12.417	12.083
9/22/16 17:00	12.53	12.666	12.417	12.082
9/22/16 18:00	12.612	12.666	12.417	12.082
9/22/16 19:00	12.563	12.666	12.417	12.083
9/22/16 20:00	12.503	12.666	12.417	12.082
9/22/16 21:00	12.402	12.666	12.417	12.083
9/22/16 22:00	12.299	12.666	12.417	12.079
9/22/16 23:00	12.197	12.666	12.417	12.084
9/23/16 0:00	12.073	12.666	12.417	12.08
9/23/16 1:00	11.93	12.666	12.417	12.08
9/23/16 2:00	11.76	12.666	12.417	12.082
9/23/16 3:00	11.584	12.666	12.417	12.082
9/23/16 4:00	11.44	12.666	12.417	12.081
9/23/16 5:00	11.34	12.666	12.417	12.079
9/23/16 6:00	11.244	12.666	12.417	12.079
9/23/16 7:00	11.157	12.666	12.417	12.079
9/23/16 8:00	11.081	12.666	12.417	12.079
9/23/16 9:00	11.04	12.666	12.417	12.08
9/23/16 10:00	11.178	12.666	12.417	12.08
9/23/16 11:00	11.354	12.666	12.417	12.081
9/23/16 12:00	11.627	12.666	12.417	12.079
9/23/16 13:00	11.912	12.666	12.417	12.08
9/23/16 14:00	12.257	12.666	12.417	12.08
9/23/16 15:00	12.448	12.666	12.417	12.08
9/23/16 16:00	13.272	12.666	12.417	12.079
9/23/16 17:00	13.445	12.666	12.417	12.074
9/23/16 18:00	13.213	12.666	12.417	12.077

9/23/16 19:00	12.854	12.666	12.417	12.077
9/23/16 20:00	12.561	12.666	12.417	12.076
9/23/16 21:00	12.313	12.666	12.417	12.078
9/23/16 22:00	12.157	12.666	12.417	12.077
9/23/16 23:00	11.965	12.666	12.417	12.078
9/24/16 0:00	11.788	12.666	12.417	12.077
9/24/16 1:00	11.67	12.666	12.417	12.077
9/24/16 2:00	11.507	12.666	12.417	12.077
9/24/16 3:00	11.313	12.666	12.417	12.076
9/24/16 4:00	11.127	12.666	12.417	12.08
9/24/16 5:00	10.893	12.666	12.417	12.076
9/24/16 6:00	10.685	12.666	12.417	12.08
9/24/16 7:00	10.483	12.666	12.417	12.077
9/24/16 8:00	10.249	12.666	12.417	12.075
9/24/16 9:00	10.104	12.666	12.417	12.077
9/24/16 10:00	10.247	12.666	12.417	12.075
9/24/16 11:00	10.421	12.666	12.417	12.075
9/24/16 12:00	11.077	12.666	12.417	12.075
9/24/16 13:00	11.343	12.666	12.417	12.074
9/24/16 14:00	11.942	12.666	12.417	12.074
9/24/16 15:00	12.326	12.666	12.417	12.074
9/24/16 16:00	12.352	12.666	12.417	12.076
9/24/16 17:00	12.03	12.666	12.417	12.075
9/24/16 18:00	11.784	12.666	12.417	12.076
9/24/16 19:00	11.561	12.666	12.417	12.076
9/24/16 20:00	11.401	12.666	12.417	12.075
9/24/16 21:00	11.274	12.666	12.417	12.074
9/24/16 22:00	11.089	12.666	12.417	12.075
9/24/16 23:00	10.903	12.666	12.417	12.075
9/25/16 0:00	10.676	12.666	12.417	12.072
9/25/16 1:00	10.476	12.666	12.417	12.073
9/25/16 2:00	10.266	12.666	12.417	12.073
9/25/16 3:00	10.028	12.666	12.417	12.072
9/25/16 4:00	9.779	12.666	12.417	12.074
9/25/16 5:00	9.525	12.666	12.417	12.074
9/25/16 6:00	9.324	12.666	12.417	12.074
9/25/16 7:00	9.11	12.666	12.417	12.073
9/25/16 8:00	8.926	12.666	12.417	12.074
9/25/16 9:00	8.84	12.666	12.417	12.071
9/25/16 10:00	8.934	12.666	12.417	12.074
9/25/16 11:00	9.153	12.666	12.417	12.073

9/25/16 12:00	9.641	12.666	12.417	12.073
9/25/16 13:00	10.172	12.666	12.417	12.073
9/25/16 14:00	10.987	12.666	12.417	12.073
9/25/16 15:00	12.119	12.666	12.417	12.073
9/25/16 16:00	12.757	12.666	12.417	12.073
9/25/16 17:00	12.725	12.666	12.417	12.072
9/25/16 18:00	12.289	12.666	12.417	12.073
9/25/16 19:00	11.936	12.666	12.417	12.074
9/25/16 20:00	11.586	12.666	12.417	12.067
9/25/16 21:00	11.334	12.666	12.417	12.07
9/25/16 22:00	11.182	12.666	12.417	12.069
9/25/16 23:00	11.115	12.666	12.417	12.069
9/26/16 0:00	11.07	12.666	12.417	12.071
9/26/16 1:00	10.934	12.666	12.417	12.067
9/26/16 2:00	10.731	12.666	12.417	12.068
9/26/16 3:00	10.519	12.666	12.417	12.067
9/26/16 4:00	10.286	12.603	12.417	12.068
9/26/16 5:00	10.02	12.603	12.417	12.068
9/26/16 6:00	9.726	12.603	12.417	12.067
9/26/16 7:00	9.428	12.603	12.417	12.067
9/26/16 8:00	9.146	12.603	12.417	12.065
9/26/16 9:00	8.938	12.603	12.417	12.066
9/26/16 10:00	8.897	12.603	12.417	12.066
9/26/16 11:00	9.11	12.603	12.417	12.065
9/26/16 12:00	9.711	12.603	12.417	12.065
9/26/16 13:00	10.557	12.603	12.417	12.062
9/26/16 14:00	11.725	12.603	12.417	12.06
9/26/16 15:00	12.692	12.603	12.417	12.06
9/26/16 16:00	13.37	12.603	12.417	12.063
9/26/16 17:00	13.583	12.603	12.417	12.061
9/26/16 18:00	13.28	12.603	12.417	12.059
9/26/16 19:00	12.953	12.603	12.417	12.06
9/26/16 20:00	12.623	12.603	12.417	12.059
9/26/16 21:00	12.344	12.603	12.355	12.057
9/26/16 22:00	12.138	12.54	12.417	12.055
9/26/16 23:00	12.013	12.54	12.417	12.057
9/27/16 0:00	11.89	12.603	12.417	12.057
9/27/16 1:00	11.73	12.54	12.417	12.05
9/27/16 2:00	11.56	12.54	12.355	12.052
9/27/16 3:00	11.342	12.54	12.355	12.052
9/27/16 4:00	11.063	12.54	12.355	12.05

9/27/16 5:00	10.767	12.54	12.355	12.05
9/27/16 6:00	10.441	12.54	12.355	12.051
9/27/16 7:00	10.122	12.54	12.355	12.048
9/27/16 8:00	9.804	12.54	12.355	12.046
9/27/16 9:00	9.543	12.54	12.355	12.045
9/27/16 10:00	9.411	12.54	12.355	12.045
9/27/16 11:00	9.62	12.54	12.355	12.045
9/27/16 12:00	10.167	12.54	12.355	12.043
9/27/16 13:00	11.124	12.54	12.355	12.042
9/27/16 14:00	12.346	12.54	12.355	12.041
9/27/16 15:00	13.302	12.54	12.355	12.04
9/27/16 16:00	13.902	12.54	12.355	12.039
9/27/16 17:00	14.103	12.54	12.355	12.039
9/27/16 18:00	13.778	12.54	12.355	12.036
9/27/16 19:00	13.464	12.54	12.355	12.037
9/27/16 20:00	13.138	12.54	12.355	12.036
9/27/16 21:00	12.859	12.54	12.355	12.037
9/27/16 22:00	12.688	12.54	12.355	12.035
9/27/16 23:00	12.573	12.54	12.355	12.035
9/28/16 0:00	12.467	12.54	12.355	12.035
9/28/16 1:00	12.333	12.54	12.355	12.033
9/28/16 2:00	12.157	12.54	12.355	12.032
9/28/16 3:00	11.932	12.54	12.355	12.033
9/28/16 4:00	11.692	12.54	12.355	12.032
9/28/16 5:00	11.472	12.54	12.355	12.03
9/28/16 6:00	11.256	12.54	12.355	12.032
9/28/16 7:00	10.969	12.54	12.355	12.031
9/28/16 8:00	10.701	12.54	12.355	12.032
9/28/16 9:00	10.421	12.54	12.355	12.031
9/28/16 10:00	10.294	12.54	12.355	12.028
9/28/16 11:00	10.462	12.54	12.355	12.027
9/28/16 12:00	10.995	12.54	12.355	12.029
9/28/16 13:00	11.89	12.54	12.355	12.027
9/28/16 14:00	13.089	12.54	12.355	12.027
9/28/16 15:00	14.005	12.54	12.355	12.025
9/28/16 16:00	14.587	12.54	12.355	12.024
9/28/16 17:00	14.672	12.54	12.355	12.027
9/28/16 18:00	14.279	12.54	12.355	12.026
9/28/16 19:00	13.892	12.54	12.355	12.022
9/28/16 20:00	13.496	12.54	12.355	12.024
9/28/16 21:00	13.147	12.54	12.355	12.022

9/28/16 22:00	12.899	12.54	12.355	12.021
9/28/16 23:00	12.743	12.54	12.355	12.019
9/29/16 0:00	12.656	12.54	12.355	12.022
9/29/16 1:00	12.516	12.54	12.355	12.019
9/29/16 2:00	12.303	12.54	12.355	12.021
9/29/16 3:00	12.093	12.54	12.355	12.02
9/29/16 4:00	11.832	12.54	12.355	12.019
9/29/16 5:00	11.542	12.603	12.355	12.021
9/29/16 6:00	11.234	12.603	12.355	12.02
9/29/16 7:00	10.913	12.54	12.355	12.018
9/29/16 8:00	10.579	12.603	12.355	12.018
9/29/16 9:00	10.3	12.603	12.355	12.022
9/29/16 10:00	10.145	12.603	12.355	12.02
9/29/16 11:00	10.312	12.603	12.355	12.018
9/29/16 12:00	10.824	12.603	12.355	12.02
9/29/16 13:00	11.768	12.603	12.355	12.02
9/29/16 14:00	12.679	12.603	12.355	12.02
9/29/16 15:00	12.881	12.603	12.355	12.018
9/29/16 16:00	13.549	12.603	12.355	12.017
9/29/16 17:00	13.862	12.603	12.355	12.019
9/29/16 18:00	13.816	12.603	12.355	12.016
9/29/16 19:00	13.607	12.603	12.355	12.019
9/29/16 20:00	13.337	12.603	12.355	12.019
9/29/16 21:00	13.052	12.603	12.355	12.018
9/29/16 22:00	12.817	12.603	12.355	12.018
9/29/16 23:00	12.609	12.603	12.355	12.016
9/30/16 0:00	12.429	12.603	12.355	12.018
9/30/16 1:00	12.312	12.603	12.355	12.016
9/30/16 2:00	12.131	12.603	12.355	12.017
9/30/16 3:00	11.871	12.603	12.355	12.019
9/30/16 4:00	11.609	12.603	12.355	12.019
9/30/16 5:00	11.358	12.603	12.355	12.019
9/30/16 6:00	11.175	12.603	12.355	12.018
9/30/16 7:00	11.025	12.603	12.355	12.018
9/30/16 8:00	10.745	12.603	12.355	12.021
9/30/16 9:00	10.565	12.603	12.355	12.018
9/30/16 10:00	10.448	12.603	12.355	12.017
9/30/16 11:00	10.613	12.603	12.355	12.014
9/30/16 12:00	11.164	12.603	12.355	12.015
9/30/16 13:00	12.082	12.603	12.355	12.015
9/30/16 14:00	13.104	12.603	12.355	12.019

9/30/16 15:00	13.541	12.603	12.355	12.019
9/30/16 16:00	13.515	12.603	12.355	12.015
9/30/16 17:00	13.535	12.603	12.355	12.018
9/30/16 18:00	13.508	12.603	12.355	12.017
9/30/16 19:00	13.404	12.603	12.355	12.017
9/30/16 20:00	13.279	12.603	12.355	12.016
9/30/16 21:00	13.177	12.603	12.355	12.016
9/30/16 22:00	13.07	12.603	12.355	12.017
9/30/16 23:00	12.999	12.603	12.355	12.014
10/1/16 0:00	12.809	12.603	12.355	12.014
10/1/16 1:00	12.576	12.603	12.355	12.016
10/1/16 2:00	12.353	12.603	12.355	12.019
10/1/16 3:00	12.153	12.603	12.355	12.017
10/1/16 4:00	11.936	12.603	12.355	12.018
10/1/16 5:00	11.683	12.603	12.355	12.014
10/1/16 6:00	11.499	12.603	12.355	12.016
10/1/16 7:00	11.338	12.603	12.355	12.018
10/1/16 8:00	11.257	12.603	12.355	12.017
10/1/16 9:00	11.213	12.603	12.355	12.017
10/1/16 10:00	11.227	12.603	12.355	12.016
10/1/16 11:00	11.423	12.603	12.355	12.014
10/1/16 12:00	11.802	12.603	12.355	12.014
10/1/16 13:00	12.611	12.603	12.355	12.014
10/1/16 14:00	13.148	12.603	12.355	12.015
10/1/16 15:00	13.804	12.603	12.355	12.014
10/1/16 16:00	13.96	12.603	12.355	12.015
10/1/16 17:00	14.043	12.603	12.355	12.013
10/1/16 18:00	13.577	12.603	12.355	12.012
10/1/16 19:00	13.182	12.603	12.355	12.014
10/1/16 20:00	12.68	12.603	12.355	12.016
10/1/16 21:00	12.229	12.603	12.355	12.012
10/1/16 22:00	11.852	12.666	12.355	12.014
10/1/16 23:00	11.467	12.603	12.355	12.015
10/2/16 0:00	11.106	12.603	12.355	12.015
10/2/16 1:00	10.738	12.603	12.355	12.015
10/2/16 2:00	10.421	12.603	12.355	12.014
10/2/16 3:00	10.08	12.603	12.355	12.016
10/2/16 4:00	9.697	12.603	12.355	12.013
10/2/16 5:00	9.305	12.666	12.355	12.015
10/2/16 6:00	8.91	12.666	12.355	12.015
10/2/16 7:00	8.551	12.666	12.355	12.015

10/2/16 8:00	8.177	12.666	12.355	12.02
10/2/16 9:00	7.886	12.666	12.355	12.015
10/2/16 10:00	7.675	12.666	12.355	12.015
10/2/16 11:00	7.9	12.603	12.355	12.015
10/2/16 12:00	8.272	12.666	12.355	12.018
10/2/16 13:00	9.026	12.666	12.355	12.017
10/2/16 14:00	10.204	12.666	12.355	12.014
10/2/16 15:00	10.937	12.666	12.355	12.012
10/2/16 16:00	10.979	12.666	12.355	12.017
10/2/16 17:00	11.314	12.666	12.355	12.018
10/2/16 18:00	11.096	12.666	12.355	12.016
10/2/16 19:00	10.994	12.666	12.355	12.015
10/2/16 20:00	10.773	12.666	12.355	12.014
10/2/16 21:00	10.513	12.666	12.355	12.019
10/2/16 22:00	10.238	12.666	12.355	12.018
10/2/16 23:00	9.99	12.666	12.355	12.017
10/3/16 0:00	9.751	12.666	12.355	12.016
10/3/16 1:00	9.528	12.666	12.355	12.016
10/3/16 2:00	9.327	12.666	12.355	12.015
10/3/16 3:00	9.142	12.603	12.355	12.014
10/3/16 4:00	8.952	12.666	12.355	12.014
10/3/16 5:00	8.829	12.603	12.355	12.018
10/3/16 6:00	8.705	12.603	12.355	12.017
10/3/16 7:00	8.568	12.603	12.355	12.014
10/3/16 8:00	8.443	12.603	12.355	12.015
10/3/16 9:00	8.359	12.603	12.355	12.015
10/3/16 10:00	8.282	12.603	12.355	12.015
10/3/16 11:00	8.369	12.603	12.355	12.016
10/3/16 12:00	8.493	12.603	12.355	12.016
10/3/16 13:00	8.699	12.603	12.355	12.013
10/3/16 14:00	8.86	12.603	12.355	12.015
10/3/16 15:00	9.027	12.603	12.355	12.015
10/3/16 16:00	9.259	12.603	12.355	12.016
10/3/16 17:00	9.432	12.603	12.355	12.012
10/3/16 18:00	9.403	12.603	12.355	12.012
10/3/16 19:00	9.365	12.603	12.355	12.012
10/3/16 20:00	9.302	12.54	12.355	12.011
10/3/16 21:00	9.233	12.54	12.355	12.012
10/3/16 22:00	9.152	12.54	12.355	12.012
10/3/16 23:00	9.081	12.54	12.355	12.007
10/4/16 0:00	8.999	12.54	12.355	12.008

10/4/16 1:00	8.933	12.54	12.355	12.01
10/4/16 2:00	8.871	12.54	12.355	12.006
10/4/16 3:00	8.782	12.54	12.355	12.009
10/4/16 4:00	8.662	12.54	12.355	12.005
10/4/16 5:00	8.565	12.54	12.355	12.007
10/4/16 6:00	8.464	12.54	12.355	12.003
10/4/16 7:00	8.381	12.54	12.355	12.001
10/4/16 8:00	8.306	12.54	12.292	12.001
10/4/16 9:00	8.263	12.54	12.292	12.001
10/4/16 10:00	8.301	12.477	12.292	11.999
10/4/16 11:00	8.384	12.477	12.355	11.998
10/4/16 12:00	8.577	12.477	12.292	11.999
10/4/16 13:00	8.899	12.477	12.292	11.997

Holt/Hadnot

Date/Time	Depths Below Streambed (m)			
	0	0.64	1	1.46
	Temperature (°C)			
7/6/16 16:00	15.585	15.864	15.905	15.695
7/6/16 17:00	15.857	15.801	15.968	15.672
7/6/16 18:00	15.997	15.801	15.905	15.662
7/6/16 19:00	15.854	15.738	15.905	15.648
7/6/16 20:00	15.703	15.738	15.905	15.634
7/6/16 21:00	15.431	15.738	15.843	15.622
7/6/16 22:00	15.025	15.676	15.843	15.609
7/6/16 23:00	14.523	15.676	15.843	15.593
7/7/16 0:00	13.949	15.676	15.78	15.576
7/7/16 1:00	13.371	15.613	15.78	15.562
7/7/16 2:00	12.867	15.613	15.78	15.543
7/7/16 3:00	12.424	15.613	15.78	15.523
7/7/16 4:00	11.965	15.55	15.717	15.501
7/7/16 5:00	11.523	15.55	15.717	15.482
7/7/16 6:00	11.106	15.55	15.655	15.457
7/7/16 7:00	10.785	15.488	15.655	15.432
7/7/16 8:00	10.578	15.488	15.655	15.407
7/7/16 9:00	10.645	15.488	15.592	15.381
7/7/16 10:00	10.943	15.425	15.592	15.356
7/7/16 11:00	11.657	15.425	15.529	15.331
7/7/16 12:00	12.624	15.362	15.529	15.305
7/7/16 13:00	13.683	15.362	15.529	15.281
7/7/16 14:00	14.765	15.362	15.467	15.255
7/7/16 15:00	15.327	15.3	15.467	15.237
7/7/16 16:00	15.895	15.3	15.404	15.214
7/7/16 17:00	16.321	15.3	15.404	15.19
7/7/16 18:00	16.473	15.237	15.404	15.167
7/7/16 19:00	16.643	15.237	15.342	15.143
7/7/16 20:00	16.418	15.174	15.342	15.123
7/7/16 21:00	16.046	15.174	15.279	15.105
7/7/16 22:00	15.612	15.112	15.279	15.085
7/7/16 23:00	15.224	15.112	15.279	15.064
7/8/16 0:00	14.763	15.049	15.216	15.046
7/8/16 1:00	14.32	15.049	15.216	15.025

7/8/16 2:00	13.943	15.049	15.216	15.006
7/8/16 3:00	13.66	14.986	15.154	14.984
7/8/16 4:00	13.354	14.986	15.154	14.96
7/8/16 5:00	13.043	14.923	15.091	14.942
7/8/16 6:00	12.721	14.923	15.091	14.92
7/8/16 7:00	12.477	14.861	15.091	14.896
7/8/16 8:00	12.358	14.798	15.028	14.874
7/8/16 9:00	12.463	14.798	15.028	14.854
7/8/16 10:00	12.668	14.735	14.966	14.826
7/8/16 11:00	13.072	14.735	14.966	14.804
7/8/16 12:00	13.967	14.673	14.903	14.781
7/8/16 13:00	14.852	14.673	14.903	14.756
7/8/16 14:00	15.659	14.61	14.841	14.735
7/8/16 15:00	16.309	14.61	14.841	14.706
7/8/16 16:00	16.813	14.61	14.841	14.678
7/8/16 17:00	17.165	14.547	14.778	14.654
7/8/16 18:00	17.345	14.547	14.778	14.627
7/8/16 19:00	17.475	14.485	14.715	14.599
7/8/16 20:00	17.11	14.485	14.715	14.57
7/8/16 21:00	16.702	14.485	14.715	14.542
7/8/16 22:00	16.381	14.422	14.653	14.512
7/8/16 23:00	16.107	14.422	14.653	14.484
7/9/16 0:00	15.797	14.422	14.59	14.456
7/9/16 1:00	15.412	14.359	14.59	14.423
7/9/16 2:00	15.024	14.359	14.59	14.393
7/9/16 3:00	14.674	14.359	14.527	14.361
7/9/16 4:00	14.274	14.359	14.527	14.332
7/9/16 5:00	13.845	14.359	14.465	14.298
7/9/16 6:00	13.545	14.359	14.465	14.272
7/9/16 7:00	13.282	14.359	14.465	14.239
7/9/16 8:00	13.099	14.296	14.465	14.21
7/9/16 9:00	13.09	14.296	14.402	14.185
7/9/16 10:00	13.188	14.296	14.402	14.157
7/9/16 11:00	13.914	14.296	14.402	14.132
7/9/16 12:00	14.539	14.296	14.34	14.11
7/9/16 13:00	14.732	14.359	14.34	14.09
7/9/16 14:00	15.178	14.359	14.34	14.07
7/9/16 15:00	15.644	14.359	14.34	14.051
7/9/16 16:00	15.549	14.359	14.277	14.036
7/9/16 17:00	15.373	14.359	14.277	14.02
7/9/16 18:00	15.393	14.422	14.277	14.008

7/9/16 19:00	15.523	14.422	14.277	13.997
7/9/16 20:00	15.449	14.485	14.277	13.989
7/9/16 21:00	15.354	14.485	14.277	13.98
7/9/16 22:00	15.068	14.485	14.277	13.976
7/9/16 23:00	14.748	14.547	14.277	13.972
7/10/16 0:00	14.363	14.547	14.277	13.971
7/10/16 1:00	14.01	14.61	14.277	13.97
7/10/16 2:00	13.704	14.61	14.277	13.971
7/10/16 3:00	13.407	14.61	14.277	13.973
7/10/16 4:00	13.116	14.673	14.277	13.976
7/10/16 5:00	12.868	14.673	14.277	13.981
7/10/16 6:00	12.68	14.735	14.277	13.987
7/10/16 7:00	12.479	14.735	14.34	13.99
7/10/16 8:00	12.412	14.735	14.34	13.996
7/10/16 9:00	12.605	14.798	14.34	14.006
7/10/16 10:00	12.596	14.798	14.34	14.012
7/10/16 11:00	12.642	14.798	14.34	14.022
7/10/16 12:00	12.873	14.798	14.34	14.033
7/10/16 13:00	13.175	14.861	14.402	14.048
7/10/16 14:00	13.299	14.861	14.402	14.061
7/10/16 15:00	13.372	14.861	14.402	14.075
7/10/16 16:00	13.47	14.861	14.402	14.091
7/10/16 17:00	13.508	14.861	14.465	14.111
7/10/16 18:00	13.443	14.923	14.465	14.131
7/10/16 19:00	13.321	14.923	14.465	14.152
7/10/16 20:00	13.085	14.923	14.465	14.169
7/10/16 21:00	12.768	14.923	14.527	14.188
7/10/16 22:00	12.457	14.923	14.527	14.211
7/10/16 23:00	12.169	14.923	14.527	14.226
7/11/16 0:00	11.838	14.923	14.59	14.243
7/11/16 1:00	11.523	14.923	14.59	14.266
7/11/16 2:00	11.223	14.923	14.59	14.282
7/11/16 3:00	10.94	14.923	14.59	14.3
7/11/16 4:00	10.704	14.861	14.653	14.316
7/11/16 5:00	10.507	14.861	14.653	14.333
7/11/16 6:00	10.256	14.798	14.653	14.349
7/11/16 7:00	10.014	14.735	14.653	14.362
7/11/16 8:00	9.839	14.61	14.653	14.38
7/11/16 9:00	9.716	14.485	14.527	14.396
7/11/16 10:00	9.659	14.296	14.402	14.409
7/11/16 11:00	9.765	14.171	14.34	14.411

7/11/16 12:00	9.878	13.983	14.214	14.416
7/11/16 13:00	10.068	13.92	14.152	14.417
7/11/16 14:00	10.483	13.858	14.089	14.412
7/11/16 15:00	10.771	13.795	14.089	14.4
7/11/16 16:00	12.266	13.795	14.089	14.396
7/11/16 17:00	12.958	13.858	14.152	14.393
7/11/16 18:00	13.582	13.795	14.152	14.396
7/11/16 19:00	13.605	13.92	14.152	14.398
7/11/16 20:00	12.972	13.92	14.214	14.398
7/11/16 21:00	12.331	13.983	14.214	14.399
7/11/16 22:00	12.082	13.983	14.214	14.393
7/11/16 23:00	11.688	14.046	14.277	14.385
7/12/16 0:00	11.097	14.046	14.214	14.369
7/12/16 1:00	10.811	13.983	14.152	14.355
7/12/16 2:00	10.652	13.983	14.152	14.335
7/12/16 3:00	10.487	13.858	14.089	14.315
7/12/16 4:00	10.301	13.858	14.026	14.291
7/12/16 5:00	10.036	13.795	14.026	14.265
7/12/16 6:00	9.737	13.732	13.964	14.242
7/12/16 7:00	9.465	13.732	13.964	14.212
7/12/16 8:00	9.279	13.669	13.901	14.188
7/12/16 9:00	9.3	13.544	13.776	14.158
7/12/16 10:00	9.698	13.544	13.776	14.127
7/12/16 11:00	10.36	13.544	13.713	14.091
7/12/16 12:00	11.097	13.418	13.713	14.054
7/12/16 13:00	12.061	13.356	13.588	14.017
7/12/16 14:00	12.418	13.293	13.525	13.977
7/12/16 15:00	14.176	13.293	13.463	13.939
7/12/16 16:00	14.819	13.23	13.463	13.896
7/12/16 17:00	14.933	13.23	13.463	13.859
7/12/16 18:00	14.489	13.168	13.337	13.824
7/12/16 19:00	14.179	13.168	13.4	13.793
7/12/16 20:00	13.802	13.105	13.463	13.75
7/12/16 21:00	13.329	13.042	13.275	13.7
7/12/16 22:00	12.955	13.042	13.212	13.649
7/12/16 23:00	12.648	12.979	13.212	13.603
7/13/16 0:00	12.458	12.979	13.149	13.548
7/13/16 1:00	12.333	12.979	13.149	13.497
7/13/16 2:00	12.147	12.917	13.087	13.449
7/13/16 3:00	11.93	12.917	13.024	13.392
7/13/16 4:00	11.713	12.854	12.961	13.337

7/13/16 5:00	11.527	12.854	12.961	13.277
7/13/16 6:00	11.347	12.791	12.961	13.219
7/13/16 7:00	11.188	12.728	12.961	13.157
7/13/16 8:00	11.146	12.728	12.961	13.091
7/13/16 9:00	11.154	12.666	12.961	13.045
7/13/16 10:00	11.238	12.603	12.836	12.996
7/13/16 11:00	11.761	12.54	12.836	12.927
7/13/16 12:00	12.611	12.54	12.773	12.879
7/13/16 13:00	13.146	12.477	12.773	12.837
7/13/16 14:00	14.426	12.415	12.711	12.776
7/13/16 15:00	15.726	12.415	12.648	12.73
7/13/16 16:00	16.372	12.352	12.648	12.677
7/13/16 17:00	16.232	12.352	12.585	12.626
7/13/16 18:00	15.995	12.352	12.585	12.579
7/13/16 19:00	15.853	12.352	12.523	12.537
7/13/16 20:00	15.498	12.289	12.523	12.487
7/13/16 21:00	14.992	12.289	12.46	12.444
7/13/16 22:00	14.574	12.289	12.46	12.4
7/13/16 23:00	14.214	12.226	12.397	12.359
7/14/16 0:00	13.882	12.226	12.397	12.32
7/14/16 1:00	13.608	12.226	12.397	12.282
7/14/16 2:00	13.209	12.226	12.335	12.244
7/14/16 3:00	12.771	12.226	12.335	12.21
7/14/16 4:00	12.326	12.226	12.335	12.176
7/14/16 5:00	11.955	12.226	12.335	12.148
7/14/16 6:00	11.592	12.226	12.335	12.112
7/14/16 7:00	11.275	12.164	12.335	12.089
7/14/16 8:00	11.075	12.164	12.272	12.065
7/14/16 9:00	11.108	12.164	12.272	12.043
7/14/16 10:00	11.407	12.164	12.272	12.019
7/14/16 11:00	12.027	12.226	12.272	11.999
7/14/16 12:00	12.964	12.226	12.272	11.981
7/14/16 13:00	14.104	12.226	12.209	11.965
7/14/16 14:00	15.383	12.289	12.209	11.954
7/14/16 15:00	16.613	12.289	12.209	11.943
7/14/16 16:00	17.666	12.289	12.209	11.933
7/14/16 17:00	18.423	12.352	12.209	11.93
7/14/16 18:00	18.846	12.352	12.209	11.926
7/14/16 19:00	18.815	12.415	12.209	11.925
7/14/16 20:00	18.401	12.415	12.209	11.924
7/14/16 21:00	17.769	12.477	12.209	11.927

7/14/16 22:00	17.146	12.54	12.209	11.931
7/14/16 23:00	16.591	12.54	12.209	11.936
7/15/16 0:00	16.08	12.603	12.272	11.944
7/15/16 1:00	15.623	12.666	12.272	11.954
7/15/16 2:00	15.201	12.666	12.272	11.962
7/15/16 3:00	14.642	12.728	12.272	11.978
7/15/16 4:00	14.028	12.791	12.335	11.99
7/15/16 5:00	13.428	12.791	12.335	12.008
7/15/16 6:00	12.88	12.854	12.335	12.027
7/15/16 7:00	12.417	12.917	12.397	12.046
7/15/16 8:00	12.104	12.917	12.397	12.061
7/15/16 9:00	12.065	12.979	12.397	12.082
7/15/16 10:00	12.366	12.979	12.397	12.104
7/15/16 11:00	12.98	13.042	12.46	12.129
7/15/16 12:00	13.873	13.105	12.46	12.154
7/15/16 13:00	15.015	13.168	12.523	12.18
7/15/16 14:00	16.034	13.168	12.523	12.205
7/15/16 15:00	17.266	13.23	12.585	12.236
7/15/16 16:00	17.715	13.293	12.585	12.264
7/15/16 17:00	18.418	13.356	12.648	12.297
7/15/16 18:00	19.049	13.356	12.648	12.33
7/15/16 19:00	19.211	13.418	12.711	12.359
7/15/16 20:00	18.723	13.481	12.711	12.396
7/15/16 21:00	18.067	13.544	12.773	12.43
7/15/16 22:00	17.411	13.607	12.836	12.468
7/15/16 23:00	16.811	13.669	12.836	12.501
7/16/16 0:00	16.267	13.732	12.899	12.536
7/16/16 1:00	15.767	13.795	12.899	12.573
7/16/16 2:00	15.217	13.858	12.961	12.614
7/16/16 3:00	14.666	13.92	13.024	12.65
7/16/16 4:00	14.082	13.983	13.024	12.69
7/16/16 5:00	13.513	13.983	13.087	12.727
7/16/16 6:00	12.985	14.046	13.149	12.768
7/16/16 7:00	12.51	14.108	13.149	12.801
7/16/16 8:00	12.17	14.171	13.212	12.838
7/16/16 9:00	12.107	14.234	13.275	12.877
7/16/16 10:00	12.361	14.296	13.275	12.925
7/16/16 11:00	12.97	14.296	13.337	12.965
7/16/16 12:00	13.897	14.359	13.337	12.994
7/16/16 13:00	15.097	14.422	13.4	13.036
7/16/16 14:00	15.63	14.485	13.463	13.079

7/16/16 15:00	15.553	14.485	13.463	13.123
7/16/16 16:00	15.48	14.547	13.525	13.169
7/16/16 17:00	15.628	14.61	13.588	13.217
7/16/16 18:00	15.651	14.673	13.588	13.261
7/16/16 19:00	15.354	14.673	13.65	13.313
7/16/16 20:00	15	14.735	13.713	13.359
7/16/16 21:00	14.615	14.798	13.776	13.401
7/16/16 22:00	14.265	14.861	13.838	13.452
7/16/16 23:00	14.063	14.861	13.901	13.503
7/17/16 0:00	13.892	14.923	13.901	13.551
7/17/16 1:00	13.677	14.986	13.964	13.6
7/17/16 2:00	13.368	14.986	14.026	13.647
7/17/16 3:00	12.994	15.049	14.026	13.714
7/17/16 4:00	12.628	15.112	14.089	13.758
7/17/16 5:00	12.255	15.112	14.152	13.803
7/17/16 6:00	11.864	15.174	14.214	13.844
7/17/16 7:00	11.498	15.174	14.214	13.887
7/17/16 8:00	11.258	15.174	14.277	13.928
7/17/16 9:00	11.286	15.237	14.34	13.971
7/17/16 10:00	11.618	15.237	14.34	14.008
7/17/16 11:00	12.276	15.237	14.402	14.05
7/17/16 12:00	13.206	15.237	14.465	14.092
7/17/16 13:00	14.07	15.237	14.465	14.129
7/17/16 14:00	14.947	15.237	14.527	14.163
7/17/16 15:00	15.856	15.237	14.527	14.203
7/17/16 16:00	16.721	15.237	14.59	14.238
7/17/16 17:00	17.669	15.237	14.59	14.275
7/17/16 18:00	18.172	15.237	14.653	14.307
7/17/16 19:00	18.112	15.237	14.653	14.345
7/17/16 20:00	17.875	15.174	14.715	14.376
7/17/16 21:00	17.386	15.174	14.715	14.407
7/17/16 22:00	16.865	15.174	14.778	14.441
7/17/16 23:00	16.297	15.174	14.778	14.473
7/18/16 0:00	15.858	15.112	14.778	14.502
7/18/16 1:00	15.511	15.112	14.841	14.531
7/18/16 2:00	15.196	15.112	14.841	14.552
7/18/16 3:00	14.831	15.049	14.903	14.572
7/18/16 4:00	14.379	15.049	14.903	14.588
7/18/16 5:00	13.945	14.986	14.903	14.608
7/18/16 6:00	13.526	14.986	14.903	14.618
7/18/16 7:00	13.149	14.986	14.903	14.628

7/18/16 8:00	12.914	14.923	14.903	14.635
7/18/16 9:00	12.839	14.923	14.903	14.642
7/18/16 10:00	13.082	14.861	14.903	14.643
7/18/16 11:00	13.773	14.861	14.903	14.645
7/18/16 12:00	14.68	14.798	14.903	14.642
7/18/16 13:00	15.77	14.798	14.903	14.637
7/18/16 14:00	16.986	14.798	14.903	14.627
7/18/16 15:00	18.231	14.798	14.903	14.617
7/18/16 16:00	19.237	14.798	14.903	14.711
7/18/16 17:00	19.576	14.735	14.841	14.6
7/18/16 18:00	19.942	14.735	14.841	14.58
7/18/16 19:00	19.775	14.735	14.841	14.567
7/18/16 20:00	19.281	14.735	14.841	14.551
7/18/16 21:00	18.756	14.735	14.778	14.535
7/18/16 22:00	18.317	14.673	14.778	14.517
7/18/16 23:00	17.875	14.673	14.778	14.499
7/19/16 0:00	17.453	14.735	14.778	14.48
7/19/16 1:00	17.132	14.735	14.715	14.457
7/19/16 2:00	16.804	14.735	14.715	14.438
7/19/16 3:00	16.382	14.735	14.715	14.418
7/19/16 4:00	15.891	14.735	14.653	14.396
7/19/16 5:00	15.374	14.798	14.653	14.378
7/19/16 6:00	14.912	14.798	14.653	14.363
7/19/16 7:00	14.504	14.861	14.59	14.341
7/19/16 8:00	14.221	14.861	14.59	14.322
7/19/16 9:00	14.182	14.861	14.59	14.308
7/19/16 10:00	14.465	14.923	14.59	14.294
7/19/16 11:00	15.05	14.923	14.59	14.284
7/19/16 12:00	15.926	14.986	14.59	14.273
7/19/16 13:00	17.015	14.986	14.59	14.267
7/19/16 14:00	18.21	15.049	14.59	14.264
7/19/16 15:00	19.392	15.049	14.59	14.263
7/19/16 16:00	20.418	15.112	14.59	14.265
7/19/16 17:00	21.171	15.174	14.59	14.271
7/19/16 18:00	21.501	15.174	14.59	14.28
7/19/16 19:00	21.379	15.237	14.59	14.288
7/19/16 20:00	20.787	15.3	14.59	14.297
7/19/16 21:00	20.078	15.362	14.653	14.311
7/19/16 22:00	19.394	15.425	14.653	14.328
7/19/16 23:00	18.776	15.488	14.653	14.349
7/20/16 0:00	18.244	15.55	14.715	14.364

7/20/16 1:00	17.738	15.55	14.715	14.384
7/20/16 2:00	17.224	15.613	14.778	14.409
7/20/16 3:00	16.763	15.676	14.778	14.433
7/20/16 4:00	16.291	15.738	14.778	14.457
7/20/16 5:00	15.784	15.801	14.841	14.479
7/20/16 6:00	15.289	15.864	14.841	14.511
7/20/16 7:00	14.829	15.926	14.903	14.54
7/20/16 8:00	14.469	15.989	14.903	14.566
7/20/16 9:00	14.402	16.052	14.966	14.602
7/20/16 10:00	14.67	16.052	14.966	14.639
7/20/16 11:00	15.249	16.114	15.028	14.674
7/20/16 12:00	16.115	16.177	15.091	14.711
7/20/16 13:00	17.206	16.24	15.091	14.75
7/20/16 14:00	18.415	16.24	15.154	14.788
7/20/16 15:00	19.523	16.303	15.216	14.832
7/20/16 16:00	20.397	16.365	15.279	14.874
7/20/16 17:00	20.764	16.428	15.279	14.919
7/20/16 18:00	20.69	16.491	15.342	14.96
7/20/16 19:00	20.544	16.553	15.404	15.013
7/20/16 20:00	20.054	16.616	15.467	15.062
7/20/16 21:00	19.36	16.678	15.529	15.117
7/20/16 22:00	18.622	16.741	15.592	15.164
7/20/16 23:00	18.004	16.804	15.655	15.216
7/21/16 0:00	17.43	16.866	15.655	15.265
7/21/16 1:00	16.932	16.929	15.717	15.319
7/21/16 2:00	16.486	16.992	15.78	15.369
7/21/16 3:00	16.093	16.992	15.843	15.426
7/21/16 4:00	15.614	17.054	15.905	15.471
7/21/16 5:00	15.078	17.117	15.968	15.52
7/21/16 6:00	14.557	17.18	15.968	15.567
7/21/16 7:00	14.089	17.18	16.03	15.614
7/21/16 8:00	13.799	17.242	16.093	15.665
7/21/16 9:00	13.828	17.242	16.156	15.716
7/21/16 10:00	14.152	17.305	16.156	15.76
7/21/16 11:00	14.797	17.305	16.218	15.814
7/21/16 12:00	15.731	17.305	16.281	15.856
7/21/16 13:00	16.913	17.368	16.344	15.903
7/21/16 14:00	18.222	17.368	16.344	15.949
7/21/16 15:00	19.513	17.368	16.406	15.997
7/21/16 16:00	20.595	17.43	16.469	16.041
7/21/16 17:00	21.461	17.43	16.531	16.089

7/21/16 18:00	22.041	17.43	16.531	16.14
7/21/16 19:00	22.073	17.493	16.594	16.185
7/21/16 20:00	21.462	17.493	16.657	16.233
7/21/16 21:00	20.675	17.493	16.657	16.276
7/21/16 22:00	19.99	17.556	16.719	16.322
7/21/16 23:00	19.234	17.556	16.782	16.367
7/22/16 0:00	18.635	17.556	16.782	16.406
7/22/16 1:00	18.052	17.556	16.844	16.444
7/22/16 2:00	17.526	17.618	16.844	16.479
7/22/16 3:00	17.093	17.618	16.907	16.512
7/22/16 4:00	16.527	17.618	16.907	16.544
7/22/16 5:00	15.977	17.618	16.97	16.574
7/22/16 6:00	15.426	17.618	16.97	16.599
7/22/16 7:00	14.92	17.618	17.032	16.625
7/22/16 8:00	14.693	17.618	17.032	16.649
7/22/16 9:00	14.685	17.618	17.032	16.67
7/22/16 10:00	15.036	17.618	17.032	16.69
7/22/16 11:00	15.679	17.618	17.095	16.712
7/22/16 12:00	16.594	17.618	17.095	16.732
7/22/16 13:00	17.937	17.556	17.095	16.753
7/22/16 14:00	19.01	17.556	17.095	16.771
7/22/16 15:00	19.897	17.556	17.157	16.787
7/22/16 16:00	20.78	17.556	17.157	16.804
7/22/16 17:00	21.505	17.556	17.157	16.819
7/22/16 18:00	21.845	17.556	17.157	16.835
7/22/16 19:00	21.237	17.618	17.157	16.851
7/22/16 20:00	20.583	17.618	17.22	16.861
7/22/16 21:00	20.001	17.618	17.22	16.873
7/22/16 22:00	19.143	17.681	17.22	16.884
7/22/16 23:00	18.423	17.681	17.22	16.89
7/23/16 0:00	17.608	17.681	17.22	16.894
7/23/16 1:00	16.947	17.744	17.22	16.9
7/23/16 2:00	16.527	17.744	17.283	16.902
7/23/16 3:00	16.005	17.744	17.283	16.902
7/23/16 4:00	15.494	17.806	17.283	16.907
7/23/16 5:00	15.219	17.806	17.283	16.91
7/23/16 6:00	14.673	17.869	17.283	16.909
7/23/16 7:00	14.202	17.869	17.283	16.909
7/23/16 8:00	14.168	17.869	17.283	16.91
7/23/16 9:00	14.234	17.869	17.283	16.917
7/23/16 10:00	14.734	17.869	17.283	16.925

7/23/16 11:00	15.045	17.869	17.283	16.933
7/23/16 12:00	15.772	17.869	17.283	16.938
7/23/16 13:00	16.263	17.869	17.283	16.95
7/23/16 14:00	17.05	17.869	17.345	16.959
7/23/16 15:00	17.988	17.869	17.345	16.974
7/23/16 16:00	18.737	17.931	17.345	16.986
7/23/16 17:00	19.534	17.931	17.345	17.008
7/23/16 18:00	20.008	17.931	17.408	17.026
7/23/16 19:00	19.952	17.931	17.408	17.04
7/23/16 20:00	19.34	17.931	17.408	17.061
7/23/16 21:00	18.422	17.994	17.47	17.081
7/23/16 22:00	17.549	17.994	17.47	17.094
7/23/16 23:00	16.817	17.994	17.47	17.111
7/24/16 0:00	16.139	17.994	17.47	17.127
7/24/16 1:00	15.681	17.994	17.533	17.142
7/24/16 2:00	15.28	18.057	17.533	17.16
7/24/16 3:00	14.719	18.057	17.533	17.174
7/24/16 4:00	14.38	18.057	17.533	17.187
7/24/16 5:00	13.862	18.057	17.533	17.196
7/24/16 6:00	13.394	17.994	17.596	17.205
7/24/16 7:00	13.062	17.994	17.596	17.215
7/24/16 8:00	12.859	17.994	17.596	17.226
7/24/16 9:00	13.049	17.994	17.596	17.241
7/24/16 10:00	13.51	17.931	17.596	17.249
7/24/16 11:00	14.259	17.931	17.596	17.262
7/24/16 12:00	15.215	17.869	17.596	17.27
7/24/16 13:00	16.486	17.806	17.596	17.281
7/24/16 14:00	17.745	17.806	17.596	17.291
7/24/16 15:00	19.076	17.744	17.596	17.303
7/24/16 16:00	20.095	17.744	17.596	17.31
7/24/16 17:00	20.962	17.681	17.596	17.313
7/24/16 18:00	21.528	17.681	17.596	17.32
7/24/16 19:00	21.825	17.618	17.596	17.327
7/24/16 20:00	21.217	17.618	17.596	17.325
7/24/16 21:00	20.054	17.556	17.596	17.327
7/24/16 22:00	19.234	17.556	17.596	17.323
7/24/16 23:00	18.6	17.493	17.596	17.32
7/25/16 0:00	17.937	17.493	17.596	17.312
7/25/16 1:00	17.316	17.493	17.596	17.302
7/25/16 2:00	16.659	17.493	17.533	17.286
7/25/16 3:00	16.187	17.43	17.533	17.272

7/25/16 4:00	15.712	17.43	17.533	17.254
7/25/16 5:00	15.28	17.368	17.47	17.236
7/25/16 6:00	14.744	17.368	17.47	17.216
7/25/16 7:00	14.282	17.368	17.47	17.201
7/25/16 8:00	14.096	17.305	17.408	17.18
7/25/16 9:00	14.25	17.305	17.408	17.152
7/25/16 10:00	14.688	17.242	17.345	17.132
7/25/16 11:00	15.467	17.242	17.345	17.107
7/25/16 12:00	16.43	17.242	17.345	17.084
7/25/16 13:00	17.833	17.18	17.283	17.063
7/25/16 14:00	19.151	17.18	17.283	17.042
7/25/16 15:00	20.566	17.117	17.283	17.019
7/25/16 16:00	21.621	17.117	17.22	16.997
7/25/16 17:00	22.418	17.117	17.22	16.978
7/25/16 18:00	22.608	17.117	17.22	16.952
7/25/16 19:00	23.037	17.117	17.157	16.931
7/25/16 20:00	21.671	17.054	17.157	16.909
7/25/16 21:00	20.631	17.117	17.157	16.882
7/25/16 22:00	19.661	17.117	17.095	16.86
7/25/16 23:00	19.402	17.117	17.095	16.835
7/26/16 0:00	18.571	17.18	17.095	16.811
7/26/16 1:00	17.881	17.18	17.032	16.786
7/26/16 2:00	17.219	17.18	17.032	16.759
7/26/16 3:00	16.633	17.242	17.032	16.737
7/26/16 4:00	16.034	17.242	17.032	16.712
7/26/16 5:00	15.471	17.305	16.97	16.692
7/26/16 6:00	14.94	17.305	16.97	16.674
7/26/16 7:00	14.472	17.305	16.97	16.653
7/26/16 8:00	14.373	17.305	16.97	16.637
7/26/16 9:00	14.696	17.368	16.97	16.626
7/26/16 10:00	15.362	17.368	16.907	16.612
7/26/16 11:00	16.231	17.368	16.907	16.61
7/26/16 12:00	17.132	17.368	16.907	16.606
7/26/16 13:00	18.58	17.368	16.907	16.604
7/26/16 14:00	19.639	17.43	16.97	16.607
7/26/16 15:00	21.021	17.43	16.97	16.613
7/26/16 16:00	21.643	17.43	16.97	16.618
7/26/16 17:00	22.056	17.493	16.97	16.629
7/26/16 18:00	22.465	17.493	16.97	16.64
7/26/16 19:00	22.792	17.493	17.032	16.655
7/26/16 20:00	22.232	17.556	17.032	16.665

7/26/16 21:00	20.827	17.618	17.032	16.684
7/26/16 22:00	19.975	17.681	17.095	16.696
7/26/16 23:00	18.996	17.681	17.095	16.718
7/27/16 0:00	18.448	17.744	17.095	16.732
7/27/16 1:00	18.129	17.806	17.157	16.747
7/27/16 2:00	17.396	17.806	17.157	16.765
7/27/16 3:00	16.849	17.869	17.157	16.781
7/27/16 4:00	16.339	17.869	17.22	16.799
7/27/16 5:00	15.876	17.931	17.22	16.816
7/27/16 6:00	15.43	17.931	17.22	16.835
7/27/16 7:00	15.059	17.931	17.283	16.856
7/27/16 8:00	15.103	17.994	17.283	16.875
7/27/16 9:00	15.541	17.994	17.283	16.895
7/27/16 10:00	16.369	17.994	17.345	16.921
7/27/16 11:00	17.116	17.994	17.345	16.942
7/27/16 12:00	18.117	17.994	17.345	16.969
7/27/16 13:00	19.63	17.994	17.408	16.997
7/27/16 14:00	20.857	18.057	17.408	17.024
7/27/16 15:00	22.178	18.057	17.47	17.05
7/27/16 16:00	22.733	18.057	17.47	17.08
7/27/16 17:00	23.259	18.057	17.47	17.107
7/27/16 18:00	23.319	18.057	17.533	17.138
7/27/16 19:00	23.121	18.057	17.533	17.167
7/27/16 20:00	22.447	18.119	17.596	17.196
7/27/16 21:00	21.172	18.119	17.596	17.224
7/27/16 22:00	19.976	18.182	17.658	17.25
7/27/16 23:00	19.507	18.182	17.658	17.277
7/28/16 0:00	19.036	18.245	17.658	17.3
7/28/16 1:00	18.87	18.245	17.721	17.323
7/28/16 2:00	18.184	18.245	17.721	17.34
7/28/16 3:00	17.576	18.307	17.721	17.356
7/28/16 4:00	17.076	18.307	17.783	17.376
7/28/16 5:00	16.558	18.307	17.783	17.394
7/28/16 6:00	15.936	18.307	17.783	17.404
7/28/16 7:00	15.405	18.37	17.783	17.425
7/28/16 8:00	15.307	18.37	17.846	17.438
7/28/16 9:00	15.717	18.37	17.846	17.454
7/28/16 10:00	16.41	18.37	17.846	17.474
7/28/16 11:00	17.348	18.37	17.846	17.487
7/28/16 12:00	18.283	18.37	17.909	17.504
7/28/16 13:00	19.483	18.37	17.909	17.521

7/28/16 14:00	20.881	18.37	17.909	17.542
7/28/16 15:00	20.971	18.433	17.909	17.558
7/28/16 16:00	21.897	18.433	17.971	17.577
7/28/16 17:00	22.449	18.433	17.971	17.595
7/28/16 18:00	22.461	18.495	17.971	17.613
7/28/16 19:00	22.09	18.495	18.034	17.631
7/28/16 20:00	21.676	18.558	18.034	17.653
7/28/16 21:00	21.265	18.558	18.034	17.67
7/28/16 22:00	20.755	18.62	18.096	17.689
7/28/16 23:00	20.271	18.683	18.096	17.704
7/29/16 0:00	19.737	18.683	18.096	17.72
7/29/16 1:00	19.252	18.746	18.096	17.737
7/29/16 2:00	18.776	18.746	18.159	17.753
7/29/16 3:00	18.322	18.808	18.159	17.765
7/29/16 4:00	17.884	18.808	18.159	17.781
7/29/16 5:00	17.448	18.808	18.222	17.795
7/29/16 6:00	17.007	18.871	18.222	17.811
7/29/16 7:00	16.586	18.871	18.222	17.828
7/29/16 8:00	16.24	18.871	18.222	17.847
7/29/16 9:00	16.139	18.871	18.284	17.867
7/29/16 10:00	16.412	18.871	18.284	17.884
7/29/16 11:00	17.06	18.871	18.284	17.909
7/29/16 12:00	17.943	18.871	18.284	17.931
7/29/16 13:00	19.05	18.871	18.347	17.953
7/29/16 14:00	20.248	18.871	18.347	17.978
7/29/16 15:00	21.466	18.871	18.409	18.003
7/29/16 16:00	22.541	18.934	18.409	18.028
7/29/16 17:00	23.322	18.934	18.409	18.053
7/29/16 18:00	23.844	18.934	18.472	18.076
7/29/16 19:00	23.802	18.996	18.472	18.103
7/29/16 20:00	23.157	18.996	18.534	18.125
7/29/16 21:00	22.395	18.996	18.534	18.146
7/29/16 22:00	21.632	19.059	18.534	18.166
7/29/16 23:00	20.844	19.121	18.597	18.187
7/30/16 0:00	20.158	19.121	18.597	18.206
7/30/16 1:00	19.497	19.121	18.597	18.221
7/30/16 2:00	18.861	19.184	18.66	18.24
7/30/16 3:00	18.31	19.184	18.66	18.251
7/30/16 4:00	17.809	19.247	18.66	18.27
7/30/16 5:00	17.343	19.247	18.66	18.284
7/30/16 6:00	16.963	19.247	18.66	18.298

7/30/16 7:00	16.569	19.247	18.722	18.313
7/30/16 8:00	16.262	19.247	18.722	18.33
7/30/16 9:00	16.177	19.309	18.722	18.345
7/30/16 10:00	16.465	19.309	18.722	18.364
7/30/16 11:00	17.108	19.309	18.722	18.381
7/30/16 12:00	18.017	19.309	18.785	18.398
7/30/16 13:00	19.17	19.309	18.785	18.419
7/30/16 14:00	20.235	19.309	18.785	18.437
7/30/16 15:00	21.329	19.309	18.847	18.462
7/30/16 16:00	22.11	19.309	18.847	18.481
7/30/16 17:00	22.744	19.309	18.847	18.503
7/30/16 18:00	23.267	19.372	18.91	18.523
7/30/16 19:00	23.226	19.372	18.91	18.546
7/30/16 20:00	22.591	19.434	18.91	18.564
7/30/16 21:00	21.857	19.497	18.973	18.583
7/30/16 22:00	21.033	19.497	18.973	18.597
7/30/16 23:00	20.351	19.56	18.973	18.613
7/31/16 0:00	19.69	19.56	19.035	18.627
7/31/16 1:00	19.005	19.622	19.035	18.64
7/31/16 2:00	18.328	19.622	19.035	18.657
7/31/16 3:00	17.762	19.685	19.035	18.671
7/31/16 4:00	17.193	19.685	19.098	18.682
7/31/16 5:00	16.622	19.685	19.098	18.698
7/31/16 6:00	16.171	19.685	19.098	18.713
7/31/16 7:00	15.712	19.685	19.098	18.725
7/31/16 8:00	15.446	19.747	19.16	18.742
7/31/16 9:00	15.376	19.685	19.16	18.761
7/31/16 10:00	15.58	19.685	19.16	18.779
7/31/16 11:00	16.114	19.685	19.16	18.804
7/31/16 12:00	16.915	19.685	19.223	18.822
7/31/16 13:00	17.941	19.685	19.223	18.844
7/31/16 14:00	18.959	19.622	19.223	18.866
7/31/16 15:00	20.039	19.622	19.223	18.89
7/31/16 16:00	20.883	19.622	19.285	18.913
7/31/16 17:00	21.666	19.622	19.285	18.939
7/31/16 18:00	22.148	19.622	19.285	18.954
7/31/16 19:00	22.067	19.622	19.348	18.976
7/31/16 20:00	21.345	19.685	19.348	18.992
7/31/16 21:00	20.498	19.685	19.348	19.005
7/31/16 22:00	19.599	19.685	19.348	19.016
7/31/16 23:00	18.76	19.685	19.411	19.028

8/1/16 0:00	18.092	19.685	19.411	19.036
8/1/16 1:00	17.284	19.685	19.411	19.044
8/1/16 2:00	16.585	19.747	19.411	19.051
8/1/16 3:00	15.947	19.685	19.411	19.047
8/1/16 4:00	15.408	19.685	19.411	19.054
8/1/16 5:00	14.877	19.685	19.411	19.057
8/1/16 6:00	14.396	19.685	19.411	19.057
8/1/16 7:00	13.967	19.622	19.411	19.062
8/1/16 8:00	13.655	19.622	19.411	19.064
8/1/16 9:00	13.589	19.56	19.348	19.065
8/1/16 10:00	13.837	19.56	19.348	19.068
8/1/16 11:00	14.453	19.497	19.348	19.072
8/1/16 12:00	15.355	19.434	19.348	19.078
8/1/16 13:00	16.482	19.372	19.348	19.085
8/1/16 14:00	17.696	19.372	19.348	19.087
8/1/16 15:00	18.9	19.309	19.348	19.088
8/1/16 16:00	20.008	19.247	19.348	19.088
8/1/16 17:00	20.905	19.247	19.348	19.087
8/1/16 18:00	21.544	19.184	19.285	19.083
8/1/16 19:00	21.717	19.184	19.285	19.08
8/1/16 20:00	21.067	19.184	19.285	19.066
8/1/16 21:00	20.216	19.184	19.285	19.055
8/1/16 22:00	19.464	19.121	19.285	19.036
8/1/16 23:00	18.716	19.121	19.223	19.018
8/2/16 0:00	18.042	19.121	19.223	18.999
8/2/16 1:00	17.328	19.059	19.16	18.976
8/2/16 2:00	16.681	19.059	19.16	18.95
8/2/16 3:00	16.059	18.996	19.16	18.918
8/2/16 4:00	15.45	18.996	19.098	18.895
8/2/16 5:00	14.924	18.934	19.035	18.867
8/2/16 6:00	14.421	18.871	19.035	18.839
8/2/16 7:00	13.909	18.871	18.973	18.809
8/2/16 8:00	13.631	18.871	18.91	18.785
8/2/16 9:00	13.603	18.808	18.91	18.754
8/2/16 10:00	13.92	18.746	18.847	18.728
8/2/16 11:00	14.55	18.683	18.785	18.701
8/2/16 12:00	15.451	18.62	18.785	18.677
8/2/16 13:00	16.548	18.558	18.722	18.652
8/2/16 14:00	17.571	18.558	18.597	18.624
8/2/16 15:00	18.556	18.495	18.597	18.6
8/2/16 16:00	19.766	18.433	18.534	18.569

8/2/16 17:00	20.69	18.433	18.534	18.54
8/2/16 18:00	21.281	18.37	18.472	18.506
8/2/16 19:00	21.402	18.37	18.472	18.471
8/2/16 20:00	20.815	18.307	18.409	18.436
8/2/16 21:00	20.002	18.307	18.409	18.395
8/2/16 22:00	19.038	18.245	18.409	18.35
8/2/16 23:00	18.179	18.182	18.409	18.308
8/3/16 0:00	17.521	18.182	18.347	18.259
8/3/16 1:00	16.65	18.182	18.284	18.212
8/3/16 2:00	15.959	18.182	18.284	18.165
8/3/16 3:00	15.362	18.182	18.284	18.115
8/3/16 4:00	15.039	18.119	18.222	18.071
8/3/16 5:00	14.658	18.119	18.159	18.023
8/3/16 6:00	14.3	18.057	18.159	17.978
8/3/16 7:00	14.048	17.994	18.096	17.936
8/3/16 8:00	13.954	17.994	18.096	17.897
8/3/16 9:00	13.945	17.931	18.034	17.865
8/3/16 10:00	14.102	17.931	18.034	17.833
8/3/16 11:00	14.403	17.869	17.971	17.802
8/3/16 12:00	15.236	17.869	17.971	17.774
8/3/16 13:00	16.199	17.806	17.909	17.747
8/3/16 14:00	16.895	17.806	17.909	17.725
8/3/16 15:00	17.957	17.744	17.909	17.704
8/3/16 16:00	18.62	17.744	17.846	17.682
8/3/16 17:00	18.688	17.744	17.846	17.664
8/3/16 18:00	18.569	17.681	17.783	17.644
8/3/16 19:00	18.088	17.681	17.783	17.621
8/3/16 20:00	17.791	17.681	17.783	17.604
8/3/16 21:00	17.259	17.681	17.783	17.584
8/3/16 22:00	16.784	17.681	17.783	17.562
8/3/16 23:00	16.212	17.681	17.783	17.539
8/4/16 0:00	15.574	17.681	17.721	17.517
8/4/16 1:00	15.055	17.618	17.721	17.491
8/4/16 2:00	14.589	17.618	17.721	17.468
8/4/16 3:00	14.191	17.618	17.658	17.443
8/4/16 4:00	13.829	17.618	17.658	17.421
8/4/16 5:00	13.341	17.618	17.658	17.397
8/4/16 6:00	12.997	17.556	17.596	17.376
8/4/16 7:00	12.619	17.556	17.596	17.356
8/4/16 8:00	12.372	17.493	17.596	17.337
8/4/16 9:00	12.478	17.493	17.533	17.32

8/4/16 10:00	12.877	17.43	17.533	17.305
8/4/16 11:00	13.574	17.43	17.533	17.294
8/4/16 12:00	14.557	17.368	17.47	17.279
8/4/16 13:00	15.75	17.368	17.47	17.266
8/4/16 14:00	17.001	17.305	17.47	17.258
8/4/16 15:00	18.234	17.305	17.408	17.248
8/4/16 16:00	19.351	17.305	17.408	17.239
8/4/16 17:00	20.318	17.242	17.408	17.23
8/4/16 18:00	21.034	17.242	17.345	17.217
8/4/16 19:00	21.31	17.242	17.345	17.204
8/4/16 20:00	20.745	17.18	17.345	17.19
8/4/16 21:00	19.723	17.18	17.283	17.174
8/4/16 22:00	18.965	17.117	17.283	17.154
8/4/16 23:00	18.197	17.117	17.283	17.138
8/5/16 0:00	17.563	17.054	17.22	17.115
8/5/16 1:00	16.964	17.054	17.22	17.094
8/5/16 2:00	16.333	17.054	17.157	17.066
8/5/16 3:00	15.751	16.992	17.157	17.043
8/5/16 4:00	15.15	16.992	17.095	17.016
8/5/16 5:00	14.65	16.929	17.095	16.99
8/5/16 6:00	14.228	16.929	17.032	16.961
8/5/16 7:00	13.853	16.866	17.032	16.936
8/5/16 8:00	13.654	16.866	16.97	16.905
8/5/16 9:00	13.667	16.804	16.97	16.876
8/5/16 10:00	14.06	16.804	16.907	16.85
8/5/16 11:00	14.732	16.741	16.907	16.825
8/5/16 12:00	15.711	16.741	16.844	16.796
8/5/16 13:00	16.862	16.678	16.844	16.769
8/5/16 14:00	18.099	16.678	16.782	16.746
8/5/16 15:00	19.523	16.678	16.782	16.717
8/5/16 16:00	20.222	16.616	16.782	16.69
8/5/16 17:00	20.553	16.616	16.782	16.667
8/5/16 18:00	21.099	16.616	16.719	16.634
8/5/16 19:00	20.922	16.616	16.719	16.61
8/5/16 20:00	20.641	16.616	16.719	16.581
8/5/16 21:00	19.987	16.616	16.719	16.549
8/5/16 22:00	19.371	16.616	16.719	16.518
8/5/16 23:00	18.907	16.616	16.719	16.487
8/6/16 0:00	18.499	16.616	16.719	16.458
8/6/16 1:00	17.972	16.678	16.657	16.428
8/6/16 2:00	17.644	16.678	16.657	16.399

8/6/16 3:00	17.242	16.741	16.657	16.373
8/6/16 4:00	16.951	16.741	16.594	16.348
8/6/16 5:00	16.573	16.804	16.594	16.326
8/6/16 6:00	16.216	16.804	16.594	16.305
8/6/16 7:00	15.963	16.866	16.594	16.291
8/6/16 8:00	15.781	16.866	16.594	16.279
8/6/16 9:00	15.722	16.866	16.531	16.271
8/6/16 10:00	15.899	16.866	16.531	16.262
8/6/16 11:00	16.283	16.929	16.531	16.264
8/6/16 12:00	16.595	16.929	16.594	16.265
8/6/16 13:00	17.055	16.929	16.594	16.271
8/6/16 14:00	17.881	16.929	16.594	16.283
8/6/16 15:00	18.965	16.992	16.594	16.296
8/6/16 16:00	19.43	16.992	16.594	16.312
8/6/16 17:00	18.831	16.992	16.657	16.329
8/6/16 18:00	18.483	17.054	16.657	16.349
8/6/16 19:00	18.7	17.117	16.719	16.371
8/6/16 20:00	18.59	17.117	16.719	16.391
8/6/16 21:00	18.036	17.18	16.782	16.414
8/6/16 22:00	17.508	17.242	16.782	16.433
8/6/16 23:00	16.966	17.242	16.782	16.455
8/7/16 0:00	16.605	17.305	16.844	16.473
8/7/16 1:00	16.099	17.368	16.844	16.492
8/7/16 2:00	15.784	17.43	16.907	16.511
8/7/16 3:00	15.354	17.43	16.907	16.532
8/7/16 4:00	15.019	17.493	16.907	16.55
8/7/16 5:00	14.619	17.556	16.97	16.573
8/7/16 6:00	14.29	17.556	16.97	16.591
8/7/16 7:00	13.967	17.556	16.97	16.611
8/7/16 8:00	13.841	17.618	17.032	16.637
8/7/16 9:00	13.932	17.618	17.032	16.662
8/7/16 10:00	14.171	17.618	17.095	16.687
8/7/16 11:00	14.561	17.618	17.095	16.717
8/7/16 12:00	14.954	17.618	17.095	16.747
8/7/16 13:00	15.05	17.618	17.157	16.779
8/7/16 14:00	15.138	17.618	17.157	16.808
8/7/16 15:00	15.836	17.618	17.22	16.844
8/7/16 16:00	16.761	17.618	17.22	16.876
8/7/16 17:00	17.061	17.618	17.283	16.908
8/7/16 18:00	17.035	17.618	17.283	16.938
8/7/16 19:00	17.133	17.618	17.345	16.973

8/7/16 20:00	17.018	17.618	17.345	17.003
8/7/16 21:00	16.465	17.618	17.345	17.036
8/7/16 22:00	15.932	17.618	17.408	17.062
8/7/16 23:00	15.476	17.618	17.408	17.086
8/8/16 0:00	15.099	17.618	17.408	17.11
8/8/16 1:00	14.733	17.556	17.408	17.131
8/8/16 2:00	14.319	17.556	17.47	17.15
8/8/16 3:00	13.975	17.556	17.47	17.167
8/8/16 4:00	13.64	17.556	17.47	17.181
8/8/16 5:00	13.345	17.493	17.47	17.194
8/8/16 6:00	13.047	17.493	17.47	17.204
8/8/16 7:00	12.827	17.43	17.47	17.209
8/8/16 8:00	12.68	17.43	17.47	17.215
8/8/16 9:00	12.743	17.368	17.47	17.221
8/8/16 10:00	13.145	17.368	17.47	17.224
8/8/16 11:00	13.874	17.305	17.408	17.228
8/8/16 12:00	14.894	17.305	17.408	17.222
8/8/16 13:00	16.103	17.242	17.345	17.223
8/8/16 14:00	17.284	17.242	17.345	17.221
8/8/16 15:00	18.123	17.18	17.283	17.21
8/8/16 16:00	18.834	17.117	17.283	17.2
8/8/16 17:00	19.35	17.117	17.22	17.19
8/8/16 18:00	19.79	17.054	17.22	17.176
8/8/16 19:00	20.17	16.992	17.22	17.157
8/8/16 20:00	19.479	16.992	17.095	17.134
8/8/16 21:00	19.054	16.929	17.095	17.111
8/8/16 22:00	18.287	16.929	17.032	17.082
8/8/16 23:00	17.751	16.929	16.97	17.053
8/9/16 0:00	17.093	16.866	16.907	17.018
8/9/16 1:00	16.566	16.804	16.907	16.982
8/9/16 2:00	15.97	16.804	16.844	16.941
8/9/16 3:00	15.47	16.741	16.782	16.904
8/9/16 4:00	14.909	16.678	16.782	16.857
8/9/16 5:00	14.387	16.616	16.719	16.815
8/9/16 6:00	14.129	16.616	16.657	16.769
8/9/16 7:00	13.694	16.553	16.657	16.725
8/9/16 8:00	13.735	16.491	16.594	16.677
8/9/16 9:00	13.974	16.491	16.531	16.629
8/9/16 10:00	13.706	16.428	16.531	16.587
8/9/16 11:00	13.839	16.428	16.469	16.543
8/9/16 12:00	14.371	16.365	16.406	16.498

8/9/16 13:00	15.137	16.365	16.406	16.456
8/9/16 14:00	16.18	16.303	16.406	16.412
8/9/16 15:00	16.665	16.24	16.406	16.373
8/9/16 16:00	16.95	16.24	16.406	16.332
8/9/16 17:00	17.493	16.24	16.344	16.293
8/9/16 18:00	17.468	16.24	16.344	16.255
8/9/16 19:00	17.352	16.24	16.344	16.219
8/9/16 20:00	17.011	16.24	16.344	16.178
8/9/16 21:00	16.613	16.24	16.281	16.144
8/9/16 22:00	16.019	16.24	16.281	16.108
8/9/16 23:00	15.492	16.24	16.281	16.073
8/10/16 0:00	15.252	16.24	16.281	16.038
8/10/16 1:00	14.836	16.24	16.218	16.007
8/10/16 2:00	14.382	16.303	16.218	15.975
8/10/16 3:00	13.949	16.303	16.218	15.946
8/10/16 4:00	13.508	16.303	16.156	15.921
8/10/16 5:00	13.063	16.303	16.156	15.899
8/10/16 6:00	12.747	16.365	16.156	15.878
8/10/16 7:00	12.54	16.365	16.156	15.866
8/10/16 8:00	12.436	16.365	16.156	15.848
8/10/16 9:00	12.368	16.365	16.093	15.843
8/10/16 10:00	12.671	16.365	16.093	15.834
8/10/16 11:00	13.048	16.365	16.093	15.832
8/10/16 12:00	13.394	16.303	16.093	15.832
8/10/16 13:00	13.84	16.303	16.093	15.838
8/10/16 14:00	14.152	16.303	16.093	15.845
8/10/16 15:00	14.587	16.303	16.156	15.856
8/10/16 16:00	15.234	16.303	16.156	15.866
8/10/16 17:00	15.596	16.24	16.156	15.878
8/10/16 18:00	15.765	16.24	16.156	15.892
8/10/16 19:00	15.997	16.24	16.156	15.906
8/10/16 20:00	15.995	16.24	16.156	15.921
8/10/16 21:00	15.512	16.177	16.218	15.933
8/10/16 22:00	15.044	16.177	16.218	15.944
8/10/16 23:00	14.658	16.177	16.218	15.952
8/11/16 0:00	14.278	16.177	16.218	15.961
8/11/16 1:00	13.876	16.177	16.218	15.969
8/11/16 2:00	13.481	16.177	16.218	15.972
8/11/16 3:00	13.1	16.114	16.218	15.978
8/11/16 4:00	12.75	16.114	16.218	15.979
8/11/16 5:00	12.506	16.114	16.218	15.98

8/11/16 6:00	12.237	16.052	16.156	15.977
8/11/16 7:00	11.947	16.052	16.156	15.976
8/11/16 8:00	11.81	16.052	16.156	15.971
8/11/16 9:00	11.817	15.989	16.093	15.963
8/11/16 10:00	12.17	15.989	16.093	15.96
8/11/16 11:00	12.876	15.926	16.093	15.952
8/11/16 12:00	13.849	15.926	16.03	15.944
8/11/16 13:00	15.039	15.864	16.03	15.936
8/11/16 14:00	16.312	15.864	15.968	15.923
8/11/16 15:00	17.199	15.801	15.968	15.912
8/11/16 16:00	17.751	15.801	15.905	15.898
8/11/16 17:00	18.54	15.738	15.905	15.882
8/11/16 18:00	19.003	15.738	15.905	15.865
8/11/16 19:00	19.082	15.738	15.78	15.845
8/11/16 20:00	18.746	15.676	15.78	15.825
8/11/16 21:00	18.132	15.613	15.78	15.802
8/11/16 22:00	17.606	15.613	15.717	15.771
8/11/16 23:00	16.971	15.55	15.655	15.743
8/12/16 0:00	16.453	15.55	15.655	15.71
8/12/16 1:00	16.014	15.488	15.592	15.678
8/12/16 2:00	15.476	15.488	15.529	15.642
8/12/16 3:00	15.071	15.425	15.529	15.606
8/12/16 4:00	14.605	15.425	15.467	15.563
8/12/16 5:00	14.186	15.362	15.467	15.524
8/12/16 6:00	13.857	15.3	15.404	15.486
8/12/16 7:00	13.499	15.3	15.342	15.444
8/12/16 8:00	13.211	15.3	15.342	15.404
8/12/16 9:00	13.262	15.237	15.404	15.361
8/12/16 10:00	13.598	15.237	15.279	15.322
8/12/16 11:00	14.272	15.174	15.279	15.284
8/12/16 12:00	15.249	15.174	15.216	15.246
8/12/16 13:00	16.459	15.174	15.216	15.208
8/12/16 14:00	17.48	15.174	15.154	15.173
8/12/16 15:00	18.254	15.112	15.154	15.136
8/12/16 16:00	18.601	15.112	15.154	15.108
8/12/16 17:00	18.946	15.112	15.154	15.076
8/12/16 18:00	19.589	15.049	15.154	15.042
8/12/16 19:00	19.953	15.049	15.154	15.011
8/12/16 20:00	19.368	15.049	15.154	14.985
8/12/16 21:00	18.694	15.112	15.154	14.957
8/12/16 22:00	18.209	15.112	15.154	14.929

8/12/16 23:00	17.644	15.112	15.154	14.904
8/13/16 0:00	17.066	15.174	15.091	14.877
8/13/16 1:00	16.45	15.237	15.091	14.854
8/13/16 2:00	15.887	15.237	15.091	14.832
8/13/16 3:00	15.482	15.3	15.091	14.814
8/13/16 4:00	15.041	15.362	15.091	14.796
8/13/16 5:00	14.608	15.362	15.091	14.782
8/13/16 6:00	14.208	15.425	15.091	14.77
8/13/16 7:00	13.845	15.425	15.091	14.765
8/13/16 8:00	13.673	15.488	15.091	14.76
8/13/16 9:00	13.738	15.488	15.091	14.759
8/13/16 10:00	14.102	15.55	15.091	14.764
8/13/16 11:00	14.825	15.55	15.091	14.77
8/13/16 12:00	15.819	15.613	15.091	14.784
8/13/16 13:00	16.953	15.613	15.154	14.795
8/13/16 14:00	18.283	15.676	15.154	14.813
8/13/16 15:00	19.259	15.676	15.216	14.838
8/13/16 16:00	20.153	15.738	15.216	14.864
8/13/16 17:00	20.771	15.738	15.279	14.896
8/13/16 18:00	21.321	15.801	15.279	14.925
8/13/16 19:00	21.568	15.864	15.342	14.956
8/13/16 20:00	20.946	15.864	15.404	14.992
8/13/16 21:00	20.054	15.926	15.404	15.03
8/13/16 22:00	19.34	15.989	15.467	15.062
8/13/16 23:00	18.815	16.052	15.529	15.096
8/14/16 0:00	18.236	16.052	15.529	15.133
8/14/16 1:00	17.582	16.114	15.592	15.169
8/14/16 2:00	17.043	16.177	15.592	15.203
8/14/16 3:00	16.553	16.24	15.655	15.237
8/14/16 4:00	16.08	16.24	15.655	15.274
8/14/16 5:00	15.654	16.303	15.717	15.307
8/14/16 6:00	15.29	16.365	15.717	15.341
8/14/16 7:00	14.968	16.365	15.78	15.376
8/14/16 8:00	14.752	16.365	15.78	15.412
8/14/16 9:00	14.79	16.428	15.843	15.449
8/14/16 10:00	15.115	16.428	15.843	15.487
8/14/16 11:00	15.714	16.491	15.905	15.525
8/14/16 12:00	16.586	16.491	15.968	15.562
8/14/16 13:00	17.866	16.491	15.968	15.605
8/14/16 14:00	19.054	16.553	16.03	15.642
8/14/16 15:00	20.265	16.553	16.03	15.686

8/14/16 16:00	21.095	16.616	16.093	15.726
8/14/16 17:00	22.016	16.616	16.156	15.768
8/14/16 18:00	22.598	16.678	16.218	15.807
8/14/16 19:00	23.505	16.741	16.281	15.847
8/14/16 20:00	22.311	16.804	16.281	15.889
8/14/16 21:00	20.987	16.866	16.344	15.927
8/14/16 22:00	20.064	16.929	16.406	15.965
8/14/16 23:00	19.446	16.929	16.406	16.003
8/15/16 0:00	18.856	16.992	16.469	16.037
8/15/16 1:00	18.134	17.054	16.531	16.072
8/15/16 2:00	17.344	17.117	16.531	16.106
8/15/16 3:00	16.72	17.18	16.594	16.135
8/15/16 4:00	15.993	17.18	16.594	16.169
8/15/16 5:00	15.416	17.242	16.657	16.198
8/15/16 6:00	14.873	17.305	16.657	16.226
8/15/16 7:00	14.418	17.305	16.719	16.26
8/15/16 8:00	14.223	17.368	16.719	16.295
8/15/16 9:00	14.369	17.368	16.719	16.326
8/15/16 10:00	14.769	17.368	16.782	16.36
8/15/16 11:00	15.517	17.43	16.844	16.4
8/15/16 12:00	16.502	17.43	16.844	16.434
8/15/16 13:00	17.737	17.43	16.907	16.477
8/15/16 14:00	19.163	17.493	16.907	16.52
8/15/16 15:00	20.539	17.493	16.97	16.564
8/15/16 16:00	21.505	17.556	17.032	16.605
8/15/16 17:00	22.45	17.556	17.095	16.65
8/15/16 18:00	22.962	17.618	17.095	16.696
8/15/16 19:00	24.314	17.681	17.157	16.74
8/15/16 20:00	22.871	17.744	17.22	16.784
8/15/16 21:00	21.203	17.744	17.283	16.826
8/15/16 22:00	20.177	17.806	17.345	16.867
8/15/16 23:00	19.732	17.869	17.345	16.908
8/16/16 0:00	19.018	17.931	17.408	16.944
8/16/16 1:00	18.29	17.994	17.408	16.981
8/16/16 2:00	17.322	17.994	17.47	17.017
8/16/16 3:00	16.65	18.057	17.47	17.048
8/16/16 4:00	15.891	18.057	17.533	17.082
8/16/16 5:00	15.34	18.119	17.533	17.11
8/16/16 6:00	14.739	18.119	17.533	17.143
8/16/16 7:00	14.253	18.119	17.596	17.174
8/16/16 8:00	14.12	18.119	17.596	17.208

8/16/16 9:00	14.379	18.119	17.596	17.242
8/16/16 10:00	14.892	18.119	17.658	17.275
8/16/16 11:00	15.749	18.119	17.658	17.308
8/16/16 12:00	16.712	18.119	17.721	17.343
8/16/16 13:00	18.046	18.119	17.721	17.382
8/16/16 14:00	19.439	18.119	17.783	17.42
8/16/16 15:00	20.704	18.119	17.783	17.459
8/16/16 16:00	21.746	18.119	17.846	17.498
8/16/16 17:00	22.864	18.119	17.909	17.534
8/16/16 18:00	23.301	18.182	17.909	17.571
8/16/16 19:00	24.436	18.182	17.971	17.606
8/16/16 20:00	23.608	18.245	18.034	17.64
8/16/16 21:00	21.512	18.307	18.034	17.669
8/16/16 22:00	20.025	18.37	18.096	17.695
8/16/16 23:00	19.824	18.37	18.096	17.718
8/17/16 0:00	18.988	18.433	18.096	17.737
8/17/16 1:00	17.994	18.433	18.159	17.758
8/17/16 2:00	17.039	18.433	18.159	17.772
8/17/16 3:00	16.486	18.495	18.159	17.786
8/17/16 4:00	15.772	18.495	18.159	17.795
8/17/16 5:00	15.125	18.495	18.159	17.807
8/17/16 6:00	14.386	18.495	18.159	17.817
8/17/16 7:00	13.816	18.495	18.159	17.829
8/17/16 8:00	13.642	18.495	18.159	17.836
8/17/16 9:00	13.985	18.495	18.159	17.849
8/17/16 10:00	14.555	18.433	18.159	17.86
8/17/16 11:00	15.554	18.433	18.159	17.877
8/17/16 12:00	16.593	18.433	18.159	17.889
8/17/16 13:00	17.894	18.433	18.222	17.907
8/17/16 14:00	19.582	18.433	18.222	17.929
8/17/16 15:00	21.112	18.433	18.222	17.949
8/17/16 16:00	21.907	18.433	18.284	17.97
8/17/16 17:00	23.008	18.433	18.284	17.991
8/17/16 18:00	22.861	18.433	18.347	18.011
8/17/16 19:00	24.492	18.495	18.347	18.03
8/17/16 20:00	22.813	18.495	18.347	18.043
8/17/16 21:00	21.195	18.558	18.409	18.06
8/17/16 22:00	20.16	18.558	18.409	18.071
8/17/16 23:00	19.63	18.62	18.409	18.079
8/18/16 0:00	19.187	18.62	18.409	18.091
8/18/16 1:00	18.713	18.62	18.409	18.095

8/18/16 2:00	17.98	18.62	18.409	18.095
8/18/16 3:00	17.303	18.683	18.409	18.099
8/18/16 4:00	16.599	18.683	18.409	18.098
8/18/16 5:00	16.069	18.683	18.409	18.099
8/18/16 6:00	15.602	18.62	18.409	18.1
8/18/16 7:00	15.125	18.62	18.409	18.098
8/18/16 8:00	14.939	18.62	18.409	18.099
8/18/16 9:00	15.441	18.62	18.409	18.105
8/18/16 10:00	16.048	18.558	18.409	18.11
8/18/16 11:00	16.899	18.558	18.409	18.113
8/18/16 12:00	17.948	18.495	18.409	18.126
8/18/16 13:00	18.972	18.495	18.409	18.131
8/18/16 14:00	20.154	18.495	18.409	18.144
8/18/16 15:00	21.203	18.495	18.409	18.158
8/18/16 16:00	22.281	18.433	18.409	18.17
8/18/16 17:00	22.93	18.495	18.472	18.185
8/18/16 18:00	22.543	18.495	18.472	18.195
8/18/16 19:00	21.357	18.495	18.472	18.206
8/18/16 20:00	21.104	18.558	18.472	18.214
8/18/16 21:00	20.198	18.558	18.534	18.224
8/18/16 22:00	19.424	18.558	18.534	18.222
8/18/16 23:00	18.422	18.62	18.534	18.224
8/19/16 0:00	17.814	18.62	18.534	18.221
8/19/16 1:00	17.287	18.62	18.534	18.215
8/19/16 2:00	16.793	18.62	18.534	18.21
8/19/16 3:00	16.31	18.62	18.534	18.203
8/19/16 4:00	15.591	18.62	18.472	18.193
8/19/16 5:00	14.796	18.62	18.472	18.188
8/19/16 6:00	14.203	18.62	18.472	18.179
8/19/16 7:00	13.678	18.62	18.472	18.171
8/19/16 8:00	13.566	18.62	18.409	18.166
8/19/16 9:00	13.89	18.62	18.409	18.162
8/19/16 10:00	14.284	18.62	18.409	18.159
8/19/16 11:00	14.898	18.558	18.409	18.162
8/19/16 12:00	15.683	18.558	18.409	18.164
8/19/16 13:00	16.666	18.558	18.409	18.173
8/19/16 14:00	17.671	18.558	18.472	18.179
8/19/16 15:00	18.636	18.558	18.472	18.19
8/19/16 16:00	19.502	18.558	18.472	18.199
8/19/16 17:00	20.364	18.558	18.472	18.21
8/19/16 18:00	20.848	18.558	18.534	18.22

8/19/16 19:00	21.938	18.62	18.534	18.231
8/19/16 20:00	20.325	18.62	18.534	18.237
8/19/16 21:00	18.619	18.62	18.534	18.244
8/19/16 22:00	17.64	18.62	18.534	18.245
8/19/16 23:00	16.794	18.683	18.534	18.248
8/20/16 0:00	16.046	18.683	18.534	18.251
8/20/16 1:00	15.383	18.683	18.534	18.247
8/20/16 2:00	14.672	18.683	18.534	18.247
8/20/16 3:00	13.916	18.683	18.534	18.244
8/20/16 4:00	13.144	18.62	18.534	18.239
8/20/16 5:00	12.61	18.62	18.534	18.237
8/20/16 6:00	11.937	18.62	18.472	18.23
8/20/16 7:00	11.488	18.558	18.472	18.229
8/20/16 8:00	11.434	18.558	18.472	18.225
8/20/16 9:00	11.808	18.495	18.472	18.224
8/20/16 10:00	12.535	18.495	18.472	18.221
8/20/16 11:00	13.389	18.433	18.472	18.223
8/20/16 12:00	14.484	18.37	18.409	18.226
8/20/16 13:00	15.667	18.37	18.409	18.227
8/20/16 14:00	17.024	18.307	18.409	18.232
8/20/16 15:00	18.303	18.307	18.409	18.236
8/20/16 16:00	19.27	18.307	18.409	18.238
8/20/16 17:00	20.371	18.307	18.409	18.241
8/20/16 18:00	20.871	18.245	18.409	18.239
8/20/16 19:00	22.421	18.245	18.409	18.238
8/20/16 20:00	20.824	18.245	18.347	18.233
8/20/16 21:00	19.116	18.245	18.347	18.225
8/20/16 22:00	18.275	18.245	18.347	18.212
8/20/16 23:00	17.538	18.245	18.347	18.198
8/21/16 0:00	16.771	18.182	18.347	18.178
8/21/16 1:00	16.028	18.182	18.284	18.16
8/21/16 2:00	15.214	18.119	18.284	18.134
8/21/16 3:00	14.455	18.119	18.222	18.106
8/21/16 4:00	13.773	18.057	18.222	18.079
8/21/16 5:00	13.315	18.057	18.159	18.049
8/21/16 6:00	12.92	17.994	18.096	18.018
8/21/16 7:00	12.381	17.931	18.096	17.99
8/21/16 8:00	12.295	17.869	18.034	17.96
8/21/16 9:00	12.821	17.869	17.971	17.927
8/21/16 10:00	13.542	17.806	17.909	17.899
8/21/16 11:00	14.449	17.744	17.909	17.868

8/21/16 12:00	15.64	17.681	17.846	17.841
8/21/16 13:00	17.169	17.681	17.721	17.815
8/21/16 14:00	18.433	17.681	17.721	17.791
8/21/16 15:00	19.709	17.618	17.658	17.766
8/21/16 16:00	21.478	17.618	17.658	17.744
8/21/16 17:00	22.335	17.556	17.596	17.721
8/21/16 18:00	23.018	17.556	17.596	17.696
8/21/16 19:00	24.047	17.556	17.596	17.67
8/21/16 20:00	21.793	17.493	17.596	17.641
8/21/16 21:00	19.593	17.493	17.596	17.608
8/21/16 22:00	18.428	17.493	17.596	17.581
8/21/16 23:00	17.8	17.493	17.533	17.545
8/22/16 0:00	17.051	17.43	17.533	17.51
8/22/16 1:00	16.012	17.43	17.533	17.471
8/22/16 2:00	14.993	17.43	17.533	17.429
8/22/16 3:00	14.194	17.368	17.533	17.393
8/22/16 4:00	13.807	17.368	17.47	17.353
8/22/16 5:00	14.99	17.368	17.47	17.308
8/22/16 6:00	14.668	17.305	17.408	17.273
8/22/16 7:00	13.887	17.305	17.408	17.235
8/22/16 8:00	13.536	17.242	17.345	17.198
8/22/16 9:00	14.781	17.242	17.345	17.164
8/22/16 10:00	15.044	17.18	17.283	17.133
8/22/16 11:00	15.501	17.18	17.283	17.105
8/22/16 12:00	16.085	17.18	17.22	17.083
8/22/16 13:00	16.979	17.117	17.22	17.061
8/22/16 14:00	17.813	17.117	17.22	17.046
8/22/16 15:00	18.755	17.117	17.22	17.033
8/22/16 16:00	21.101			
8/22/16 17:00	19.86	17.117	17.22	17.018
8/22/16 18:00	19.882	17.117	17.22	17.012
8/22/16 19:00	20.023	17.18	17.22	17.008
8/22/16 20:00	19.015	17.18	17.22	17.004
8/22/16 21:00	17.751	17.18	17.283	16.999
8/22/16 22:00	16.79	17.242	17.283	16.995
8/22/16 23:00	15.494	17.242	17.283	16.989
8/23/16 0:00	14.449	17.242	17.283	16.983
8/23/16 1:00	13.933	17.305	17.283	16.977
8/23/16 2:00	13.463	17.305	17.22	16.97
8/23/16 3:00	13.171	17.305	17.22	16.96
8/23/16 4:00	12.731	17.305	17.22	16.954

8/23/16 5:00	12.17	17.305	17.22	16.946
8/23/16 6:00	11.69	17.305	17.22	16.941
8/23/16 7:00	11.233	17.305	17.22	16.932
8/23/16 8:00	10.983	17.305	17.157	16.927
8/23/16 9:00	11.348	17.242	17.157	16.924
8/23/16 10:00	12.059	17.242	17.157	16.919
8/23/16 11:00	13.093	17.242	17.157	16.921
8/23/16 12:00	14.255	17.18	17.157	16.923
8/23/16 13:00	15.95	17.18	17.157	16.93
8/23/16 14:00	16.734	17.18	17.157	16.935
8/23/16 15:00	17.877	17.117	17.157	16.947
8/23/16 16:00	18.701	17.117	17.157	16.956
8/23/16 17:00	19.635	17.117	17.157	16.97
8/23/16 18:00	19.891	17.117	17.22	16.979
8/23/16 19:00	20.632	17.117	17.22	16.989
8/23/16 20:00	20.091	17.117	17.22	16.995
8/23/16 21:00	18.328	17.117	17.22	17.004
8/23/16 22:00	17.621	17.117	17.22	17.006
8/23/16 23:00	16.956	17.117	17.22	17.01
8/24/16 0:00	16.46	17.117	17.22	17.007
8/24/16 1:00	15.487	17.054	17.157	17.001
8/24/16 2:00	15.144	17.054	17.157	16.992
8/24/16 3:00	14.731	17.054	17.157	16.981
8/24/16 4:00	13.95	16.992	17.095	16.971
8/24/16 5:00	13.113	16.992	17.095	16.956
8/24/16 6:00	12.431	16.929	17.095	16.941
8/24/16 7:00	12.005	16.929	17.032	16.923
8/24/16 8:00	11.845	16.866	17.032	16.907
8/24/16 9:00	12.055	16.866	16.97	16.885
8/24/16 10:00	12.853	16.804	16.97	16.867
8/24/16 11:00	14.213	16.804	16.907	16.851
8/24/16 12:00	15.046	16.741	16.844	16.833
8/24/16 13:00	16.21	16.678	16.844	16.818
8/24/16 14:00	16.742	16.678	16.844	16.803
8/24/16 15:00	17.166	16.616	16.844	16.787
8/24/16 16:00	17.511	16.616	16.782	16.772
8/24/16 17:00	18.037	16.616	16.782	16.757
8/24/16 18:00	18.258	16.553	16.782	16.743
8/24/16 19:00	19.962	16.553	16.782	16.726
8/24/16 20:00	18.272	16.553	16.782	16.708
8/24/16 21:00	16.567	16.553	16.782	16.688

8/24/16 22:00	15.631	16.553	16.782	16.669
8/24/16 23:00	15.103	16.553	16.782	16.646
8/25/16 0:00	14.573	16.553	16.719	16.618
8/25/16 1:00	13.837	16.553	16.719	16.591
8/25/16 2:00	13.262	16.553	16.719	16.561
8/25/16 3:00	12.514	16.553	16.657	16.535
8/25/16 4:00	12.111	16.553	16.657	16.501
8/25/16 5:00	11.689	16.553	16.594	16.469
8/25/16 6:00	11.118	16.491	16.594	16.437
8/25/16 7:00	10.524	16.491	16.594	16.409
8/25/16 8:00	10.357	16.491	16.531	16.378
8/25/16 9:00	10.701	16.428	16.531	16.351
8/25/16 10:00	11.552	16.428	16.531	16.324
8/25/16 11:00	12.621	16.365	16.469	16.304
8/25/16 12:00	13.62	16.365	16.469	16.283
8/25/16 13:00	14.723	16.365	16.406	16.267
8/25/16 14:00	15.84	16.303	16.406	16.254
8/25/16 15:00	16.697	16.303	16.406	16.239
8/25/16 16:00	17.594	16.303	16.406	16.233
8/25/16 17:00	18.461	16.303	16.406	16.225
8/25/16 18:00	18.946	16.303	16.406	16.22
8/25/16 19:00	21.062	16.303	16.406	16.218
8/25/16 20:00	19.131	16.303	16.344	16.212
8/25/16 21:00	16.928	16.303	16.344	16.209
8/25/16 22:00	16.011	16.303	16.344	16.203
8/25/16 23:00	15.027	16.303	16.344	16.196
8/26/16 0:00	14.491	16.24	16.344	16.19
8/26/16 1:00	13.976	16.24	16.344	16.18
8/26/16 2:00	13.288	16.24	16.344	16.169
8/26/16 3:00	12.587	16.24	16.344	16.153
8/26/16 4:00	11.803	16.177	16.281	16.143
8/26/16 5:00	11.068	16.177	16.281	16.128
8/26/16 6:00	10.516	16.177	16.281	16.108
8/26/16 7:00	9.805	16.114	16.218	16.091
8/26/16 8:00	9.848	16.114	16.218	16.075
8/26/16 9:00	10.178	16.052	16.156	16.054
8/26/16 10:00	11.395	16.052	16.156	16.038
8/26/16 11:00	12.456	15.989	16.093	16.021
8/26/16 12:00	13.671	15.989	16.093	16.006
8/26/16 13:00	14.918	15.926	16.093	15.991
8/26/16 14:00	15.968	15.926	16.03	15.975

8/26/16 15:00	17.136	15.864	16.03	15.964
8/26/16 16:00	18.089	15.864	16.03	15.955
8/26/16 17:00	18.806	15.864	16.03	15.942
8/26/16 18:00	19.311	15.801	16.03	15.931
8/26/16 19:00	19.613	15.801	15.968	15.918
8/26/16 20:00	18.71	15.801	16.03	15.909
8/26/16 21:00	17.048	15.801	16.03	15.895
8/26/16 22:00	16.177	15.801	16.03	15.881
8/26/16 23:00	15.456	15.801	15.968	15.864
8/27/16 0:00	14.767	15.801	15.968	15.846
8/27/16 1:00	14.332	15.801	15.968	15.824
8/27/16 2:00	13.843	15.801	15.905	15.803
8/27/16 3:00	13.304	15.801	15.905	15.78
8/27/16 4:00	13.068	15.738	15.905	15.755
8/27/16 5:00	12.342	15.738	15.843	15.729
8/27/16 6:00	12.203	15.738	15.843	15.701
8/27/16 7:00	12.007	15.676	15.78	15.673
8/27/16 8:00	12.082	15.676	15.78	15.647
8/27/16 9:00	12.527	15.613	15.78	15.619
8/27/16 10:00	13.444	15.613	15.717	15.595
8/27/16 11:00	14.6	15.613	15.717	15.575
8/27/16 12:00	15.575	15.55	15.717	15.554
8/27/16 13:00	17.535	15.55	15.655	15.535
8/27/16 14:00	19.092	15.55	15.655	15.519
8/27/16 15:00	19.268	15.488	15.655	15.508
8/27/16 16:00	20.727	15.488	15.655	15.499
8/27/16 17:00	21.562	15.488	15.655	15.489
8/27/16 18:00	21.66	15.488	15.655	15.485
8/27/16 19:00	21.686	15.488	15.655	15.479
8/27/16 20:00	20.537	15.488	15.655	15.475
8/27/16 21:00	19.323	15.488	15.592	15.471
8/27/16 22:00	18.158	15.488	15.655	15.468
8/27/16 23:00	17.284	15.488	15.592	15.461
8/28/16 0:00	16.747	15.488	15.592	15.454
8/28/16 1:00	16.298	15.55	15.655	15.449
8/28/16 2:00	16.08	15.55	15.655	15.439
8/28/16 3:00	15.724	15.55	15.655	15.43
8/28/16 4:00	15.468	15.55	15.655	15.42
8/28/16 5:00	14.975	15.55	15.655	15.407
8/28/16 6:00	14.492	15.55	15.592	15.395
8/28/16 7:00	14.332	15.55	15.592	15.384

8/28/16 8:00	15.097	15.55	15.592	15.374
8/28/16 9:00	15.996	15.55	15.592	15.368
8/28/16 10:00	16.889	15.55	15.592	15.358
8/28/16 11:00	16.819	15.55	15.592	15.352
8/28/16 12:00	16.562	15.55	15.592	15.348
8/28/16 13:00	18.136	15.55	15.592	15.348
8/28/16 14:00	19.694	15.55	15.592	15.351
8/28/16 15:00	20.402	15.55	15.592	15.358
8/28/16 16:00	20.99	15.613	15.592	15.364
8/28/16 17:00	21.523	15.613	15.655	15.377
8/28/16 18:00	21.969	15.676	15.655	15.391
8/28/16 19:00	24.276	15.676	15.655	15.406
8/28/16 20:00	20.984	15.738	15.655	15.423
8/28/16 21:00	18.399	15.738	15.717	15.438
8/28/16 22:00	16.975	15.801	15.717	15.453
8/28/16 23:00	16.674	15.864	15.78	15.474
8/29/16 0:00	16.37	15.864	15.78	15.489
8/29/16 1:00	15.488	15.926	15.78	15.501
8/29/16 2:00	14.683	15.989	15.843	15.52
8/29/16 3:00	13.758	15.989	15.843	15.537
8/29/16 4:00	13.169	16.052	15.843	15.547
8/29/16 5:00	12.399	16.052	15.843	15.561
8/29/16 6:00	11.747	16.114	15.843	15.575
8/29/16 7:00	11.351	16.114	15.905	15.589
8/29/16 8:00	11.14	16.114	15.905	15.607
8/29/16 9:00	11.85	16.177	15.905	15.623
8/29/16 10:00	13.064	16.177	15.968	15.64
8/29/16 11:00	14.336	16.24	15.968	15.659
8/29/16 12:00	15.561	16.24	15.968	15.686
8/29/16 13:00	17.103	16.24	15.968	15.704
8/29/16 14:00	18.693	16.24	16.03	15.734
8/29/16 15:00	19.634	16.303	16.03	15.761
8/29/16 16:00	21.184	16.303	16.093	15.791
8/29/16 17:00	21.896	16.365	16.156	15.825
8/29/16 18:00	21.224	16.365	16.156	15.859
8/29/16 19:00	20.836	16.428	16.218	15.897
8/29/16 20:00	20.564	16.428	16.218	15.933
8/29/16 21:00	19.224	16.491	16.281	15.967
8/29/16 22:00	18.261	16.553	16.344	16.005
8/29/16 23:00	17.78	16.553	16.344	16.035
8/30/16 0:00	17.087	16.616	16.406	16.066

8/30/16 1:00	16.391	16.616	16.406	16.097
8/30/16 2:00	15.649	16.616	16.406	16.121
8/30/16 3:00	15.454	16.678	16.469	16.147
8/30/16 4:00	14.899	16.678	16.469	16.167
8/30/16 5:00	14.588	16.678	16.469	16.19
8/30/16 6:00	14.411	16.678	16.469	16.212
8/30/16 7:00	13.691	16.678	16.531	16.228
8/30/16 8:00	13.664	16.678	16.531	16.246
8/30/16 9:00	13.96	16.678	16.531	16.264
8/30/16 10:00	14.968	16.678	16.531	16.28
8/30/16 11:00	15.483	16.678	16.531	16.298
8/30/16 12:00	16.871	16.616	16.594	16.318
8/30/16 13:00	17.722	16.616	16.594	16.336
8/30/16 14:00	18.09	16.616	16.594	16.355
8/30/16 15:00	18.335	16.616	16.594	16.381
8/30/16 16:00	18.429	16.616	16.657	16.403
8/30/16 17:00	18.639	16.616	16.657	16.426
8/30/16 18:00	18.392	16.616	16.719	16.45
8/30/16 19:00	18.369	16.678	16.719	16.47
8/30/16 20:00	17.859	16.678	16.719	16.495
8/30/16 21:00	17.572	16.678	16.782	16.513
8/30/16 22:00	17.22	16.741	16.782	16.529
8/30/16 23:00	16.801	16.741	16.782	16.546
8/31/16 0:00	16.42	16.741	16.844	16.553
8/31/16 1:00	15.774	16.804	16.844	16.563
8/31/16 2:00	15.374	16.804	16.844	16.571
8/31/16 3:00	14.914	16.804	16.844	16.573
8/31/16 4:00	14.839	16.804	16.844	16.573
8/31/16 5:00	14.825	16.866	16.844	16.575
8/31/16 6:00	14.268	16.866	16.844	16.575
8/31/16 7:00	13.655	16.866	16.844	16.571
8/31/16 8:00	13.304	16.866	16.844	16.57
8/31/16 9:00	13.667	16.866	16.782	16.571
8/31/16 10:00	14.267	16.866	16.782	16.567
8/31/16 11:00	14.95	16.866	16.782	16.569
8/31/16 12:00	15.114	16.866	16.844	16.573
8/31/16 13:00	15.43	16.804	16.844	16.575
8/31/16 14:00	15.926	16.804	16.844	16.582
8/31/16 15:00	16.354	16.804	16.844	16.588
8/31/16 16:00	16.591	16.804	16.844	16.593
8/31/16 17:00	17.298	16.804	16.844	16.603

8/31/16 18:00	17.527	16.804	16.844	16.61
8/31/16 19:00	17.747	16.804	16.844	16.616
8/31/16 20:00	17.226	16.804	16.844	16.622
8/31/16 21:00	16.833	16.804	16.844	16.627
8/31/16 22:00	17.222	16.804	16.844	16.631
8/31/16 23:00	16.429	16.804	16.844	16.632
9/1/16 0:00	16.029	16.804	16.844	16.633
9/1/16 1:00	15.812	16.804	16.844	16.633
9/1/16 2:00	15.374	16.804	16.844	16.632
9/1/16 3:00	14.945	16.804	16.844	16.623
9/1/16 4:00	14.79	16.804	16.844	16.617
9/1/16 5:00	14.204	16.741	16.844	16.611
9/1/16 6:00	13.76	16.741	16.782	16.601
9/1/16 7:00	13.734	16.741	16.782	16.587
9/1/16 8:00	13.642	16.741	16.782	16.575
9/1/16 9:00	13.933	16.678	16.719	16.566
9/1/16 10:00	14.409	16.678	16.719	16.549
9/1/16 11:00	15.207	16.616	16.719	16.538
9/1/16 12:00	16.159	16.616	16.657	16.524
9/1/16 13:00	17.115	16.616	16.657	16.51
9/1/16 14:00	18.167	16.553	16.657	16.499
9/1/16 15:00	19.315	16.553	16.594	16.484
9/1/16 16:00	20.387	16.491	16.594	16.47
9/1/16 17:00	21.035	16.491	16.594	16.458
9/1/16 18:00	21.293	16.491	16.594	16.444
9/1/16 19:00	21.353	16.428	16.594	16.43
9/1/16 20:00	19.889	16.428	16.531	16.416
9/1/16 21:00	19.248	16.428	16.531	16.4
9/1/16 22:00	18.785	16.428	16.531	16.378
9/1/16 23:00	18.05	16.365	16.469	16.362
9/2/16 0:00	17.12	16.365	16.469	16.343
9/2/16 1:00	16.672	16.365	16.469	16.318
9/2/16 2:00	16.274	16.303	16.406	16.296
9/2/16 3:00	15.872	16.303	16.406	16.27
9/2/16 4:00	15.579	16.303	16.406	16.243
9/2/16 5:00	15.594	16.303	16.344	16.217
9/2/16 6:00	15.103	16.24	16.344	16.189
9/2/16 7:00	14.525	16.24	16.344	16.165
9/2/16 8:00	14.144	16.177	16.281	16.138
9/2/16 9:00	14.444	16.177	16.281	16.11
9/2/16 10:00	14.852	16.177	16.218	16.087

9/2/16 11:00	14.59	16.177	16.218	16.062
9/2/16 12:00	14.595	16.177	16.218	16.043
9/2/16 13:00	15.014	16.114	16.218	16.023
9/2/16 14:00	15.181	16.114	16.156	16.005
9/2/16 15:00	15.469	16.114	16.156	15.993
9/2/16 16:00	15.978	16.114	16.156	15.982
9/2/16 17:00	15.99	16.177	16.218	15.972
9/2/16 18:00	16.292	16.177	16.218	15.968
9/2/16 19:00	17.426	16.177	16.218	15.967
9/2/16 20:00	16.129	16.24	16.218	15.963
9/2/16 21:00	15.434	16.303	16.218	15.96
9/2/16 22:00	14.779	16.303	16.218	15.959
9/2/16 23:00	13.928	16.365	16.218	15.955
9/3/16 0:00	13.319	16.365	16.218	15.955
9/3/16 1:00	12.799	16.428	16.218	15.951
9/3/16 2:00	12.337	16.491	16.281	15.953
9/3/16 3:00	11.751	16.491	16.218	15.95
9/3/16 4:00	11.599	16.553	16.281	15.951
9/3/16 5:00	11.032	16.553	16.218	15.953
9/3/16 6:00	11.031	16.553	16.281	15.952
9/3/16 7:00	10.953	16.616	16.281	15.957
9/3/16 8:00	10.655	16.616	16.281	15.96
9/3/16 9:00	10.789	16.616	16.281	15.966
9/3/16 10:00	11.293	16.616	16.281	15.972
9/3/16 11:00	11.995	16.616	16.281	15.982
9/3/16 12:00	13.041	16.616	16.281	15.994
9/3/16 13:00	14.18	16.616	16.281	16.004
9/3/16 14:00	14.795	16.616	16.281	16.023
9/3/16 15:00	15.551	16.553	16.281	16.037
9/3/16 16:00	16.353	16.553	16.281	16.055
9/3/16 17:00	16.635	16.553	16.344	16.072
9/3/16 18:00	16.75	16.491	16.344	16.094
9/3/16 19:00	17.528	16.491	16.344	16.11
9/3/16 20:00	16.207	16.491	16.344	16.129
9/3/16 21:00	15.119	16.428	16.344	16.147
9/3/16 22:00	14.504	16.428	16.406	16.159
9/3/16 23:00	13.915	16.365	16.406	16.17
9/4/16 0:00	13.582	16.365	16.406	16.181
9/4/16 1:00	13.155	16.303	16.344	16.187
9/4/16 2:00	12.841	16.303	16.344	16.189
9/4/16 3:00	12.58	16.24	16.344	16.189

9/4/16 4:00	12.423	16.24	16.344	16.187
9/4/16 5:00	12.223	16.177	16.281	16.178
9/4/16 6:00	12.012	16.177	16.281	16.165
9/4/16 7:00	11.916	16.114	16.218	16.156
9/4/16 8:00	11.834	16.052	16.218	16.139
9/4/16 9:00	11.863	16.052	16.156	16.119
9/4/16 10:00	12.056	15.989	16.156	16.096
9/4/16 11:00	12.792	15.926	16.093	16.075
9/4/16 12:00	13.491	15.926	16.03	16.053
9/4/16 13:00	14.111	15.864	16.03	16.031
9/4/16 14:00	14.494	15.801	15.968	16.004
9/4/16 15:00	14.899	15.738	15.968	15.978
9/4/16 16:00	15.143	15.676	15.905	15.949
9/4/16 17:00	15.112	15.676	15.843	15.92
9/4/16 18:00	14.81	15.613	15.843	15.89
9/4/16 19:00	14.496	15.613	15.78	15.857
9/4/16 20:00	14.021	15.55	15.78	15.825
9/4/16 21:00	13.654	15.55	15.717	15.791
9/4/16 22:00	13.412	15.488	15.717	15.751
9/4/16 23:00	12.966	15.488	15.717	15.714
9/5/16 0:00	12.725	15.425	15.655	15.672
9/5/16 1:00	12.491	15.425	15.592	15.631
9/5/16 2:00	12.237	15.362	15.592	15.585
9/5/16 3:00	12.193	15.362	15.529	15.541
9/5/16 4:00	11.889	15.3	15.467	15.492
9/5/16 5:00	11.581	15.237	15.467	15.44
9/5/16 6:00	11.419	15.237	15.404	15.395
9/5/16 7:00	11.383	15.174	15.404	15.345
9/5/16 8:00	11.344	15.174	15.342	15.296
9/5/16 9:00	11.398	15.112	15.342	15.25
9/5/16 10:00	11.409	15.112	15.279	15.205
9/5/16 11:00	11.357	15.049	15.216	15.161
9/5/16 12:00	11.563	15.049	15.154	15.12
9/5/16 13:00	12.148	14.986	15.154	15.078
9/5/16 14:00	12.779	14.923	15.091	15.038
9/5/16 15:00	13.465	14.923	15.091	15.004
9/5/16 16:00	14.124	14.861	15.028	14.968
9/5/16 17:00	14.393	14.861	15.028	14.938
9/5/16 18:00	14.91	14.798	14.966	14.902
9/5/16 19:00	15.728	14.798	14.966	14.872
9/5/16 20:00	14.478	14.735	14.903	14.841

9/5/16 21:00	13.177	14.735	14.903	14.812
9/5/16 22:00	12.437	14.735	14.841	14.782
9/5/16 23:00	11.738	14.673	14.841	14.752
9/6/16 0:00	11.439	14.673	14.841	14.722
9/6/16 1:00	10.888	14.61	14.778	14.691
9/6/16 2:00	10.366	14.61	14.778	14.662
9/6/16 3:00	9.806	14.61	14.715	14.632
9/6/16 4:00	9.503	14.547	14.715	14.603
9/6/16 5:00	9.047	14.547	14.653	14.572
9/6/16 6:00	8.882	14.485	14.653	14.542
9/6/16 7:00	8.784	14.485	14.59	14.51
9/6/16 8:00	8.873	14.422	14.59	14.48
9/6/16 9:00	9.079	14.422	14.527	14.453
9/6/16 10:00	9.468	14.359	14.527	14.421
9/6/16 11:00	9.941	14.359	14.465	14.395
9/6/16 12:00	10.446	14.296	14.465	14.363
9/6/16 13:00	10.446	14.296	14.402	14.334
9/6/16 14:00	10.671	14.234	14.402	14.308
9/6/16 15:00	10.676	14.234	14.34	14.282
9/6/16 16:00	11.13	14.234	14.34	14.258
9/6/16 17:00	11.321	14.171	14.34	14.234
9/6/16 18:00	11.429	14.171	14.277	14.214
9/6/16 19:00	11.452	14.108	14.277	14.189
9/6/16 20:00	11.305	14.108	14.277	14.168
9/6/16 21:00	11.332	14.108	14.214	14.149
9/6/16 22:00	11.204	14.046	14.214	14.128
9/6/16 23:00	11.126	14.046	14.214	14.108
9/7/16 0:00	10.979	14.046	14.152	14.084
9/7/16 1:00	10.776	13.983	14.152	14.058
9/7/16 2:00	10.745	13.983	14.152	14.035
9/7/16 3:00	10.726	13.983	14.089	14.01
9/7/16 4:00	10.554	13.92	14.089	13.986
9/7/16 5:00	10.404	13.92	14.026	13.957
9/7/16 6:00	10.244	13.858	14.026	13.93
9/7/16 7:00	10.175	13.858	13.964	13.901
9/7/16 8:00	10.062	13.795	13.964	13.869
9/7/16 9:00	10.231	13.732	13.901	13.843
9/7/16 10:00	10.611	13.732	13.901	13.812
9/7/16 11:00	11.199	13.669	13.838	13.784
9/7/16 12:00	11.926	13.607	13.776	13.752
9/7/16 13:00	12.324	13.544	13.713	13.722

9/7/16 14:00	12.699	13.544	13.713	13.691
9/7/16 15:00	13.079	13.481	13.65	13.661
9/7/16 16:00	13.681	13.418	13.588	13.633
9/7/16 17:00	14.197	13.418	13.525	13.605
9/7/16 18:00	14.233	13.356	13.525	13.575
9/7/16 19:00	14.551	13.293	13.525	13.544
9/7/16 20:00	13.833	13.23	13.463	13.517
9/7/16 21:00	13.451	13.168	13.4	13.482
9/7/16 22:00	13.197	13.168	13.4	13.451
9/7/16 23:00	13.011	13.105	13.337	13.415
9/8/16 0:00	12.759	13.042	13.275	13.38
9/8/16 1:00	12.473	12.979	13.212	13.345
9/8/16 2:00	12.208	12.979	13.212	13.306
9/8/16 3:00	12.034	12.917	13.149	13.27
9/8/16 4:00	11.883	12.917	13.149	13.23
9/8/16 5:00	11.699	12.854	13.087	13.188
9/8/16 6:00	11.636	12.791	13.087	13.142
9/8/16 7:00	11.539	12.791	13.024	13.095
9/8/16 8:00	11.384	12.728	12.961	13.053
9/8/16 9:00	11.309	12.666	12.899	13.003
9/8/16 10:00	11.555	12.666	12.899	12.962
9/8/16 11:00	12.038	12.603	12.836	12.918
9/8/16 12:00	12.657	12.603	12.836	12.876
9/8/16 13:00	13.38	12.54	12.773	12.833
9/8/16 14:00	14.038	12.54	12.773	12.789
9/8/16 15:00	14.742	12.477	12.711	12.746
9/8/16 16:00	15.47	12.477	12.711	12.708
9/8/16 17:00	15.358	12.477	12.648	12.671
9/8/16 18:00	15.37	12.415	12.648	12.631
9/8/16 19:00	14.95	12.415	12.648	12.6
9/8/16 20:00	14.5	12.415	12.648	12.564
9/8/16 21:00	13.988	12.415	12.585	12.531
9/8/16 22:00	12.924	12.415	12.523	12.5
9/8/16 23:00	12.467	12.415	12.523	12.472
9/9/16 0:00	12.363	12.415	12.523	12.441
9/9/16 1:00	11.869	12.415	12.523	12.414
9/9/16 2:00	11.568	12.415	12.523	12.386
9/9/16 3:00	10.785	12.415	12.523	12.362
9/9/16 4:00	10.582	12.415	12.523	12.339
9/9/16 5:00	10.414	12.415	12.523	12.317
9/9/16 6:00	10.215	12.415	12.46	12.297

9/9/16 7:00	9.796	12.415	12.46	12.274
9/9/16 8:00	9.619	12.415	12.46	12.258
9/9/16 9:00	9.529	12.477	12.46	12.242
9/9/16 10:00	9.836	12.477	12.46	12.232
9/9/16 11:00	10.592	12.477	12.46	12.223
9/9/16 12:00	11.289	12.477	12.46	12.212
9/9/16 13:00	11.976	12.477	12.46	12.21
9/9/16 14:00	12.976	12.54	12.46	12.207
9/9/16 15:00	13.879	12.54	12.46	12.205
9/9/16 16:00	14.729	12.54	12.46	12.212
9/9/16 17:00	15.323	12.603	12.46	12.217
9/9/16 18:00	15.732	12.603	12.46	12.228
9/9/16 19:00	16.749	12.603	12.523	12.24
9/9/16 20:00	15.021	12.666	12.523	12.253
9/9/16 21:00	14.12	12.666	12.523	12.272
9/9/16 22:00	13.462	12.728	12.585	12.288
9/9/16 23:00	13.128	12.728	12.585	12.308
9/10/16 0:00	12.652	12.791	12.585	12.326
9/10/16 1:00	11.869	12.791	12.648	12.347
9/10/16 2:00	11.126	12.854	12.648	12.364
9/10/16 3:00	10.783	12.854	12.648	12.379
9/10/16 4:00	10.344	12.854	12.711	12.4
9/10/16 5:00	10.013	12.917	12.711	12.419
9/10/16 6:00	9.677	12.917	12.711	12.437
9/10/16 7:00	9.168	12.917	12.711	12.457
9/10/16 8:00	8.83	12.917	12.773	12.475
9/10/16 9:00	9.114	12.917	12.773	12.491
9/10/16 10:00	9.533	12.917	12.773	12.514
9/10/16 11:00	10.324	12.917	12.773	12.533
9/10/16 12:00	11.166	12.917	12.836	12.548
9/10/16 13:00	12.443	12.979	12.836	12.573
9/10/16 14:00	13.895	12.979	12.836	12.596
9/10/16 15:00	15.113	12.979	12.836	12.618
9/10/16 16:00	16.362	12.979	12.899	12.641
9/10/16 17:00	17.101	12.979	12.899	12.669
9/10/16 18:00	17.397	12.979	12.961	12.696
9/10/16 19:00	18.737	12.979	12.961	12.723
9/10/16 20:00	16.417	13.042	13.024	12.746
9/10/16 21:00	14.931	13.042	13.024	12.775
9/10/16 22:00	14.427	13.042	13.087	12.803
9/10/16 23:00	13.868	13.042	13.087	12.827

9/11/16 0:00	13.432	13.105	13.087	12.852
9/11/16 1:00	12.531	13.105	13.149	12.875
9/11/16 2:00	11.834	13.105	13.149	12.89
9/11/16 3:00	11.153	13.105	13.149	12.908
9/11/16 4:00	10.639	13.105	13.149	12.925
9/11/16 5:00	10.256	13.105	13.149	12.936
9/11/16 6:00	9.958	13.105	13.212	12.948
9/11/16 7:00	9.773	13.105	13.212	12.958
9/11/16 8:00	9.759	13.105	13.212	12.963
9/11/16 9:00	10.368	13.105	13.212	12.967
9/11/16 10:00	11.231	13.105	13.212	12.974
9/11/16 11:00	11.766	13.105	13.212	12.979
9/11/16 12:00	12.303	13.105	13.212	12.981
9/11/16 13:00	12.607	13.042	13.212	12.989
9/11/16 14:00	13.955	13.042	13.212	12.993
9/11/16 15:00	13.951	13.042	13.212	13.001
9/11/16 16:00	14.645	13.042	13.212	13.009
9/11/16 17:00	15.36	13.042	13.212	13.016
9/11/16 18:00	15.218	13.042	13.212	13.027
9/11/16 19:00	13.579	13.105	13.212	13.038
9/11/16 20:00	12.284	13.105	13.212	13.047
9/11/16 21:00	11.524	13.105	13.275	13.06
9/11/16 22:00	11.735	13.105	13.275	13.073
9/11/16 23:00	11.272	13.105	13.275	13.084
9/12/16 0:00	11.071	13.168	13.275	13.094
9/12/16 1:00	10.801	13.168	13.337	13.104
9/12/16 2:00	10.658	13.168	13.337	13.112
9/12/16 3:00	10.234	13.168	13.337	13.118
9/12/16 4:00	10.157	13.168	13.337	13.124
9/12/16 5:00	10.176	13.23	13.337	13.128
9/12/16 6:00	9.959	13.23	13.337	13.128
9/12/16 7:00	9.834	13.23	13.337	13.127
9/12/16 8:00	9.738	13.23	13.337	13.128
9/12/16 9:00	9.982	13.23	13.337	13.123
9/12/16 10:00	10.049	13.23	13.337	13.122
9/12/16 11:00	10.709	13.23	13.337	13.119
9/12/16 12:00	11.106	13.23	13.337	13.116
9/12/16 13:00	11.451	13.23	13.337	13.114
9/12/16 14:00	12.075	13.23	13.337	13.112
9/12/16 15:00	12.406	13.23	13.337	13.109
9/12/16 16:00	12.674	13.23	13.337	13.112

9/12/16 17:00	12.634	13.168	13.337	13.112
9/12/16 18:00	12.599	13.168	13.337	13.114
9/12/16 19:00	12.307	13.168	13.337	13.117
9/12/16 20:00	11.732	13.168	13.275	13.121
9/12/16 21:00	10.952	13.168	13.275	13.126
9/12/16 22:00	10.712	13.168	13.337	13.129
9/12/16 23:00	9.994	13.168	13.337	13.133
9/13/16 0:00	9.549	13.168	13.337	13.136
9/13/16 1:00	8.903	13.168	13.337	13.14
9/13/16 2:00	8.16	13.168	13.337	13.142
9/13/16 3:00	7.63	13.168	13.337	13.147
9/13/16 4:00	7.177	13.168	13.275	13.147
9/13/16 5:00	6.956	13.168	13.337	13.145
9/13/16 6:00	6.437	13.168	13.275	13.143
9/13/16 7:00	6.012	13.105	13.275	13.138
9/13/16 8:00	5.462	13.105	13.275	13.136
9/13/16 9:00	5.862	13.105	13.275	13.129
9/13/16 10:00	6.583	13.105	13.275	13.123
9/13/16 11:00	7.569	13.105	13.275	13.117
9/13/16 12:00	8.361	13.042	13.212	13.106
9/13/16 13:00	9.578	13.042	13.212	13.103
9/13/16 14:00	10.756	13.042	13.212	13.091
9/13/16 15:00	11.722	13.042	13.212	13.081
9/13/16 16:00	12.633	12.979	13.212	13.074
9/13/16 17:00	13.333	12.979	13.149	13.066
9/13/16 18:00	13.726	12.979	13.149	13.055
9/13/16 19:00	15.155	12.979	13.087	13.047
9/13/16 20:00	13.027	12.917	13.087	13.033
9/13/16 21:00	11.798	12.917	13.087	13.025
9/13/16 22:00	11.212	12.917	13.087	13.011
9/13/16 23:00	10.78	12.917	13.087	12.997
9/14/16 0:00	10.26	12.854	13.024	12.984
9/14/16 1:00	9.844	12.854	13.024	12.967
9/14/16 2:00	9.212	12.791	13.024	12.95
9/14/16 3:00	8.748	12.791	12.961	12.93
9/14/16 4:00	8.377	12.728	12.961	12.909
9/14/16 5:00	8.074	12.728	12.961	12.886
9/14/16 6:00	7.649	12.666	12.899	12.862
9/14/16 7:00	7.283	12.603	12.773	12.835
9/14/16 8:00	7.29	12.603	12.836	12.804
9/14/16 9:00	7.73	12.54	12.773	12.774

9/14/16 10:00	8.256	12.477	12.711	12.744
9/14/16 11:00	8.873	12.477	12.711	12.711
9/14/16 12:00	9.92	12.415	12.585	12.677
9/14/16 13:00	11.01	12.352	12.585	12.642
9/14/16 14:00	11.933	12.289	12.585	12.606
9/14/16 15:00	12.9	12.289	12.523	12.569
9/14/16 16:00	13.656	12.226	12.46	12.537
9/14/16 17:00	13.926	12.164	12.46	12.505
9/14/16 18:00	13.695	12.164	12.397	12.469
9/14/16 19:00	14.379	12.101	12.335	12.442
9/14/16 20:00	12.949	12.101	12.335	12.411
9/14/16 21:00	12.282	12.038	12.272	12.38
9/14/16 22:00	11.693	11.976	12.272	12.348
9/14/16 23:00	11.027	11.976	12.209	12.315
9/15/16 0:00	10.423	11.913	12.209	12.285
9/15/16 1:00	10.001	11.913	12.209	12.252
9/15/16 2:00	9.453	11.913	12.147	12.216
9/15/16 3:00	9.098	11.85	12.147	12.185
9/15/16 4:00	8.406	11.85	12.147	12.149
9/15/16 5:00	8.033	11.787	12.021	12.114
9/15/16 6:00	7.641	11.787	12.084	12.078
9/15/16 7:00	7.271	11.724	12.021	12.039
9/15/16 8:00	7.13	11.724	11.896	12.003
9/15/16 9:00	7.569	11.724	11.959	11.962
9/15/16 10:00	8.2	11.662	11.896	11.923
9/15/16 11:00	9.297	11.662	11.833	11.885
9/15/16 12:00	10.317	11.662	11.896	11.849
9/15/16 13:00	11.457	11.599	11.833	11.814
9/15/16 14:00	12.522	11.599	11.771	11.78
9/15/16 15:00	13.834	11.536	11.771	11.748
9/15/16 16:00	14.692	11.536	11.708	11.714
9/15/16 17:00	15.227	11.536	11.708	11.688
9/15/16 18:00	15.436	11.473	11.645	11.659
9/15/16 19:00	14.748	11.473	11.645	11.637
9/15/16 20:00	14.24	11.473	11.645	11.615
9/15/16 21:00	13.484	11.473	11.645	11.595
9/15/16 22:00	12.878	11.473	11.583	11.579
9/15/16 23:00	12.444	11.411	11.645	11.561
9/16/16 0:00	12.087	11.411	11.645	11.549
9/16/16 1:00	11.387	11.411	11.583	11.531
9/16/16 2:00	10.89	11.411	11.645	11.52

9/16/16 3:00	10.269	11.411	11.645	11.505
9/16/16 4:00	9.797	11.411	11.645	11.492
9/16/16 5:00	9.157	11.411	11.583	11.477
9/16/16 6:00	8.836	11.411	11.583	11.462
9/16/16 7:00	8.376	11.411	11.583	11.452
9/16/16 8:00	8.086	11.411	11.583	11.435
9/16/16 9:00	8.555	11.411	11.583	11.42
9/16/16 10:00	9.288	11.348	11.52	11.408
9/16/16 11:00	10.294	11.348	11.52	11.397
9/16/16 12:00	11.277	11.348	11.52	11.384
9/16/16 13:00	12.705	11.348	11.52	11.375
9/16/16 14:00	13.749	11.348	11.52	11.37
9/16/16 15:00	15.005	11.348	11.52	11.362
9/16/16 16:00	16.05	11.348	11.52	11.356
9/16/16 17:00	16.03	11.348	11.52	11.352
9/16/16 18:00	15.926	11.348	11.52	11.357
9/16/16 19:00	16.794	11.348	11.52	11.357
9/16/16 20:00	14.824	11.411	11.52	11.363
9/16/16 21:00	13.75	11.411	11.583	11.367
9/16/16 22:00	13.261	11.411	11.583	11.38
9/16/16 23:00	13.058	11.411	11.583	11.386
9/17/16 0:00	12.393	11.473	11.645	11.397
9/17/16 1:00	11.617	11.473	11.645	11.407
9/17/16 2:00	10.949	11.536	11.645	11.418
9/17/16 3:00	10.558	11.536	11.645	11.428
9/17/16 4:00	10.07	11.536	11.645	11.436
9/17/16 5:00	10.071	11.599	11.708	11.447
9/17/16 6:00	9.769	11.599	11.708	11.453
9/17/16 7:00	9.592	11.599	11.708	11.458
9/17/16 8:00	9.447	11.662	11.708	11.467
9/17/16 9:00	9.819	11.662	11.708	11.47
9/17/16 10:00	10.273	11.662	11.708	11.479
9/17/16 11:00	11.06	11.662	11.708	11.485
9/17/16 12:00	11.871	11.662	11.708	11.494
9/17/16 13:00	14.043	11.724	11.771	11.505
9/17/16 14:00	14.176	11.724	11.771	11.514
9/17/16 15:00	14.387	11.724	11.771	11.526
9/17/16 16:00	14.713	11.724	11.771	11.539
9/17/16 17:00	14.832	11.787	11.833	11.556
9/17/16 18:00	14.809	11.787	11.833	11.573
9/17/16 19:00	14.418	11.85	11.833	11.594

9/17/16 20:00	13.888	11.85	11.896	11.618
9/17/16 21:00	13.376	11.913	11.896	11.643
9/17/16 22:00	13.237	11.913	11.959	11.668
9/17/16 23:00	12.955	11.976	11.959	11.697
9/18/16 0:00	12.768	11.976	12.021	11.723
9/18/16 1:00	12.919	12.038	12.021	11.75
9/18/16 2:00	12.775	12.038	12.084	11.775
9/18/16 3:00	12.384	12.101	12.084	11.799
9/18/16 4:00	12.181	12.101	12.084	11.825
9/18/16 5:00	11.935	12.164	12.147	11.85
9/18/16 6:00	11.642	12.164	12.147	11.868
9/18/16 7:00	11.344	12.164	12.209	11.891
9/18/16 8:00	11.027	12.226	12.209	11.909
9/18/16 9:00	11.191	12.226	12.209	11.93
9/18/16 10:00	11.557	12.226	12.209	11.948
9/18/16 11:00	11.961	12.226	12.209	11.964
9/18/16 12:00	12.602	12.226	12.272	11.981
9/18/16 13:00	12.725	12.289	12.272	11.997
9/18/16 14:00	12.882	12.289	12.272	12.016
9/18/16 15:00	13.509	12.289	12.272	12.034
9/18/16 16:00	13.95	12.289	12.272	12.052
9/18/16 17:00	14.464	12.289	12.335	12.07
9/18/16 18:00	13.719	12.289	12.335	12.09
9/18/16 19:00	13.812	12.289	12.335	12.109
9/18/16 20:00	13.611	12.352	12.397	12.13
9/18/16 21:00	13.291	12.352	12.397	12.148
9/18/16 22:00	12.952	12.352	12.397	12.173
9/18/16 23:00	12.717	12.352	12.46	12.192
9/19/16 0:00	12.324	12.352	12.46	12.216
9/19/16 1:00	12.02	12.352	12.46	12.234
9/19/16 2:00	11.63	12.415	12.523	12.252
9/19/16 3:00	11.325	12.415	12.523	12.274
9/19/16 4:00	10.997	12.415	12.523	12.29
9/19/16 5:00	10.767	12.415	12.523	12.304
9/19/16 6:00	10.722	12.477	12.585	12.319
9/19/16 7:00	10.512	12.477	12.585	12.332
9/19/16 8:00	10.371	12.477	12.585	12.344
9/19/16 9:00	10.361	12.477	12.585	12.355
9/19/16 10:00	10.648	12.477	12.585	12.368
9/19/16 11:00	10.977	12.477	12.585	12.374
9/19/16 12:00	11.487	12.54	12.585	12.383

9/19/16 13:00	12.099	12.54	12.648	12.393
9/19/16 14:00	12.602	12.54	12.648	12.404
9/19/16 15:00	12.979	12.54	12.648	12.409
9/19/16 16:00	13.369	12.603	12.648	12.419
9/19/16 17:00	13.738	12.603	12.648	12.426
9/19/16 18:00	13.933	12.603	12.648	12.437
9/19/16 19:00	13.911	12.603	12.711	12.443
9/19/16 20:00	13.849	12.666	12.711	12.455
9/19/16 21:00	13.717	12.666	12.711	12.463
9/19/16 22:00	13.438	12.666	12.711	12.469
9/19/16 23:00	13.157	12.666	12.711	12.477
9/20/16 0:00	12.897	12.666	12.711	12.485
9/20/16 1:00	12.65	12.666	12.711	12.488
9/20/16 2:00	12.39	12.666	12.711	12.495
9/20/16 3:00	12.159	12.728	12.773	12.498
9/20/16 4:00	11.877	12.728	12.773	12.504
9/20/16 5:00	11.679	12.728	12.711	12.509
9/20/16 6:00	11.545	12.728	12.773	12.513
9/20/16 7:00	11.377	12.728	12.773	12.516
9/20/16 8:00	11.247	12.728	12.773	12.521
9/20/16 9:00	11.179	12.666	12.773	12.525
9/20/16 10:00	11.224	12.666	12.773	12.526
9/20/16 11:00	11.39	12.666	12.773	12.533
9/20/16 12:00	11.816	12.666	12.773	12.538
9/20/16 13:00	12.261	12.666	12.773	12.54
9/20/16 14:00	12.708	12.666	12.773	12.548
9/20/16 15:00	12.927	12.666	12.773	12.553
9/20/16 16:00	12.998	12.666	12.773	12.56
9/20/16 17:00	13.019	12.666	12.773	12.564
9/20/16 18:00	13.029	12.666	12.773	12.572
9/20/16 19:00	12.901	12.666	12.773	12.578
9/20/16 20:00	12.668	12.666	12.773	12.58
9/20/16 21:00	12.5	12.666	12.773	12.584
9/20/16 22:00	12.323	12.666	12.773	12.587
9/20/16 23:00	12.172	12.666	12.773	12.587
9/21/16 0:00	11.989	12.666	12.773	12.589
9/21/16 1:00	11.779	12.666	12.773	12.587
9/21/16 2:00	11.622	12.666	12.773	12.585
9/21/16 3:00	11.51	12.666	12.773	12.58
9/21/16 4:00	11.417	12.666	12.773	12.574
9/21/16 5:00	11.296	12.666	12.773	12.569

9/21/16 6:00	11.167	12.666	12.773	12.56
9/21/16 7:00	11.015	12.666	12.773	12.552
9/21/16 8:00	10.932	12.666	12.773	12.545
9/21/16 9:00	10.917	12.666	12.773	12.535
9/21/16 10:00	11.014	12.666	12.773	12.523
9/21/16 11:00	11.286	12.666	12.711	12.519
9/21/16 12:00	11.616	12.666	12.711	12.509
9/21/16 13:00	12.061	12.666	12.711	12.505
9/21/16 14:00	12.462	12.666	12.711	12.497
9/21/16 15:00	12.606	12.666	12.711	12.494
9/21/16 16:00	12.804	12.666	12.711	12.491
9/21/16 17:00	12.822	12.666	12.711	12.485
9/21/16 18:00	12.839	12.666	12.711	12.484
9/21/16 19:00	12.634	12.666	12.711	12.483
9/21/16 20:00	12.357	12.666	12.711	12.484
9/21/16 21:00	12.202	12.666	12.711	12.484
9/21/16 22:00	12.037	12.666	12.711	12.484
9/21/16 23:00	11.872	12.603	12.711	12.482
9/22/16 0:00	11.738	12.666	12.711	12.481
9/22/16 1:00	11.668	12.603	12.711	12.483
9/22/16 2:00	11.627	12.603	12.711	12.485
9/22/16 3:00	11.567	12.603	12.711	12.483
9/22/16 4:00	11.494	12.603	12.711	12.484
9/22/16 5:00	11.437	12.603	12.711	12.481
9/22/16 6:00	11.368	12.603	12.711	12.481
9/22/16 7:00	11.29	12.603	12.711	12.478
9/22/16 8:00	11.196	12.603	12.711	12.479
9/22/16 9:00	11.159	12.603	12.648	12.479
9/22/16 10:00	11.165	12.54	12.648	12.476
9/22/16 11:00	11.231	12.54	12.648	12.472
9/22/16 12:00	11.423	12.54	12.648	12.47
9/22/16 13:00	11.613	12.54	12.648	12.467
9/22/16 14:00	11.918	12.54	12.648	12.463
9/22/16 15:00	12.246	12.54	12.648	12.463
9/22/16 16:00	12.414	12.477	12.648	12.458
9/22/16 17:00	12.59	12.477	12.648	12.453
9/22/16 18:00	12.623	12.477	12.648	12.45
9/22/16 19:00	12.527	12.477	12.648	12.449
9/22/16 20:00	12.458	12.477	12.648	12.443
9/22/16 21:00	12.411	12.477	12.648	12.439
9/22/16 22:00	12.339	12.477	12.585	12.433

9/22/16 23:00	12.288	12.477	12.585	12.424
9/23/16 0:00	12.223	12.415	12.585	12.416
9/23/16 1:00	12.127	12.415	12.585	12.411
9/23/16 2:00	11.986	12.415	12.585	12.404
9/23/16 3:00	11.815	12.415	12.585	12.391
9/23/16 4:00	11.689	12.415	12.585	12.385
9/23/16 5:00	11.596	12.415	12.523	12.372
9/23/16 6:00	11.489	12.415	12.523	12.362
9/23/16 7:00	11.382	12.415	12.523	12.351
9/23/16 8:00	11.299	12.352	12.523	12.34
9/23/16 9:00	11.264	12.352	12.523	12.329
9/23/16 10:00	11.357	12.352	12.523	12.319
9/23/16 11:00	11.579	12.352	12.46	12.308
9/23/16 12:00	11.737	12.352	12.46	12.297
9/23/16 13:00	12.031	12.352	12.46	12.288
9/23/16 14:00	12.389	12.352	12.46	12.279
9/23/16 15:00	12.637	12.352	12.46	12.27
9/23/16 16:00	12.886	12.289	12.46	12.26
9/23/16 17:00	13.253	12.289	12.46	12.255
9/23/16 18:00	13.394	12.289	12.46	12.244
9/23/16 19:00	13.351	12.289	12.397	12.233
9/23/16 20:00	13.214	12.289	12.397	12.228
9/23/16 21:00	12.949	12.289	12.397	12.221
9/23/16 22:00	12.606	12.289	12.397	12.214
9/23/16 23:00	12.346	12.289	12.397	12.207
9/24/16 0:00	12.125	12.289	12.397	12.201
9/24/16 1:00	11.979	12.289	12.397	12.19
9/24/16 2:00	11.795	12.289	12.397	12.185
9/24/16 3:00	11.558	12.289	12.397	12.175
9/24/16 4:00	11.404	12.289	12.397	12.173
9/24/16 5:00	11.261	12.289	12.335	12.163
9/24/16 6:00	11.089	12.289	12.335	12.155
9/24/16 7:00	10.92	12.289	12.335	12.149
9/24/16 8:00	10.699	12.289	12.335	12.141
9/24/16 9:00	10.537	12.289	12.335	12.136
9/24/16 10:00	10.55	12.226	12.335	12.127
9/24/16 11:00	10.787	12.289	12.335	12.122
9/24/16 12:00	11.265	12.289	12.335	12.115
9/24/16 13:00	11.693	12.289	12.335	12.111
9/24/16 14:00	11.915	12.289	12.335	12.105
9/24/16 15:00	12.17	12.289	12.335	12.101

9/24/16 16:00	12.438	12.289	12.335	12.093
9/24/16 17:00	12.529	12.289	12.335	12.091
9/24/16 18:00	12.353	12.289	12.335	12.091
9/24/16 19:00	12.011	12.289	12.272	12.085
9/24/16 20:00	11.603	12.289	12.272	12.085
9/24/16 21:00	11.277	12.289	12.272	12.085
9/24/16 22:00	10.98	12.289	12.272	12.079
9/24/16 23:00	10.759	12.289	12.272	12.081
9/25/16 0:00	10.569	12.289	12.272	12.078
9/25/16 1:00	10.373	12.289	12.272	12.077
9/25/16 2:00	10.154	12.289	12.272	12.078
9/25/16 3:00	9.906	12.289	12.272	12.076
9/25/16 4:00	9.661	12.289	12.272	12.074
9/25/16 5:00	9.463	12.289	12.272	12.077
9/25/16 6:00	9.346	12.289	12.272	12.075
9/25/16 7:00	9.224	12.289	12.272	12.076
9/25/16 8:00	9.142	12.289	12.272	12.071
9/25/16 9:00	9.124	12.289	12.272	12.074
9/25/16 10:00	9.248	12.289	12.272	12.077
9/25/16 11:00	9.494	12.289	12.272	12.075
9/25/16 12:00	9.907	12.226	12.272	12.077
9/25/16 13:00	10.394	12.226	12.272	12.078
9/25/16 14:00	10.996	12.226	12.272	12.08
9/25/16 15:00	11.701	12.226	12.272	12.082
9/25/16 16:00	12.355	12.226	12.272	12.084
9/25/16 17:00	12.758	12.226	12.272	12.087
9/25/16 18:00	13.002	12.164	12.272	12.091
9/25/16 19:00	13.027	12.164	12.272	12.092
9/25/16 20:00	12.77	12.164	12.272	12.097
9/25/16 21:00	12.36	12.164	12.272	12.097
9/25/16 22:00	11.854	12.101	12.272	12.097
9/25/16 23:00	11.364	12.101	12.272	12.1
9/26/16 0:00	10.952	12.101	12.272	12.099
9/26/16 1:00	10.647	12.101	12.272	12.099
9/26/16 2:00	10.43	12.101	12.272	12.096
9/26/16 3:00	10.313	12.038	12.272	12.094
9/26/16 4:00	10.146	12.038	12.272	12.09
9/26/16 5:00	9.929	12.038	12.209	12.084
9/26/16 6:00	9.74	12.038	12.209	12.081
9/26/16 7:00	9.531	11.976	12.209	12.073
9/26/16 8:00	9.28	11.976	12.209	12.064

9/26/16 9:00	9.144	11.913	12.209	12.054
9/26/16 10:00	9.216	11.913	12.147	12.047
9/26/16 11:00	9.543	11.913	12.084	12.035
9/26/16 12:00	10.198	11.913	12.084	12.023
9/26/16 13:00	10.88	11.85	12.084	12.011
9/26/16 14:00	11.624	11.85	12.084	11.998
9/26/16 15:00	12.42	11.85	12.021	11.984
9/26/16 16:00	13.113	11.787	12.021	11.969
9/26/16 17:00	13.542	11.787	12.021	11.957
9/26/16 18:00	13.798	11.787	12.021	11.941
9/26/16 19:00	13.728	11.787	11.959	11.924
9/26/16 20:00	13.439	11.724	11.959	11.907
9/26/16 21:00	13.148	11.724	11.896	11.889
9/26/16 22:00	12.764	11.724	11.896	11.868
9/26/16 23:00	12.323	11.662	11.896	11.847
9/27/16 0:00	11.837	11.662	11.833	11.824
9/27/16 1:00	11.505	11.662	11.833	11.801
9/27/16 2:00	11.209	11.662	11.833	11.778
9/27/16 3:00	10.992	11.599	11.833	11.752
9/27/16 4:00	10.829	11.599	11.771	11.727
9/27/16 5:00	10.665	11.599	11.771	11.701
9/27/16 6:00	10.457	11.536	11.771	11.676
9/27/16 7:00	10.232	11.536	11.708	11.648
9/27/16 8:00	9.984	11.536	11.708	11.619
9/27/16 9:00	9.845	11.536	11.708	11.592
9/27/16 10:00	9.919	11.473	11.708	11.566
9/27/16 11:00	10.253	11.473	11.645	11.543
9/27/16 12:00	10.881	11.473	11.645	11.516
9/27/16 13:00	11.64	11.473	11.645	11.491
9/27/16 14:00	12.407	11.473	11.583	11.47
9/27/16 15:00	13.215	11.411	11.583	11.446
9/27/16 16:00	13.881	11.411	11.583	11.428
9/27/16 17:00	14.262	11.411	11.583	11.411
9/27/16 18:00	14.482	11.411	11.583	11.395
9/27/16 19:00	14.357	11.411	11.583	11.378
9/27/16 20:00	14.12	11.411	11.52	11.364
9/27/16 21:00	13.79	11.411	11.52	11.351
9/27/16 22:00	13.494	11.411	11.52	11.34
9/27/16 23:00	13.07	11.411	11.52	11.326
9/28/16 0:00	12.626	11.411	11.52	11.315
9/28/16 1:00	12.294	11.473	11.52	11.31

9/28/16 2:00	11.955	11.473	11.52	11.296
9/28/16 3:00	11.7	11.473	11.52	11.29
9/28/16 4:00	11.525	11.473	11.52	11.281
9/28/16 5:00	11.383	11.473	11.52	11.276
9/28/16 6:00	11.26	11.473	11.52	11.268
9/28/16 7:00	11.115	11.536	11.457	11.262
9/28/16 8:00	10.937	11.536	11.457	11.254
9/28/16 9:00	10.818	11.536	11.457	11.25
9/28/16 10:00	10.87	11.536	11.457	11.244
9/28/16 11:00	11.172	11.599	11.457	11.243
9/28/16 12:00	11.746	11.599	11.457	11.243
9/28/16 13:00	12.473	11.599	11.457	11.243
9/28/16 14:00	13.21	11.599	11.457	11.242
9/28/16 15:00	13.893	11.599	11.457	11.248
9/28/16 16:00	14.553	11.662	11.52	11.252
9/28/16 17:00	14.827	11.662	11.52	11.258
9/28/16 18:00	14.963	11.662	11.52	11.263
9/28/16 19:00	14.823	11.724	11.52	11.275
9/28/16 20:00	14.509	11.724	11.52	11.287
9/28/16 21:00	14.286	11.724	11.583	11.3
9/28/16 22:00	13.913	11.787	11.583	11.309
9/28/16 23:00	13.418	11.787	11.583	11.324
9/29/16 0:00	12.859	11.787	11.583	11.34
9/29/16 1:00	12.45	11.85	11.645	11.352
9/29/16 2:00	12.045	11.85	11.645	11.369
9/29/16 3:00	11.746	11.85	11.645	11.383
9/29/16 4:00	11.557	11.913	11.708	11.399
9/29/16 5:00	11.321	11.913	11.708	11.411
9/29/16 6:00	11.162	11.976	11.708	11.429
9/29/16 7:00	10.895	11.976	11.708	11.446
9/29/16 8:00	10.591	11.976	11.771	11.459
9/29/16 9:00	10.508	12.038	11.771	11.473
9/29/16 10:00	10.609	12.038	11.771	11.487
9/29/16 11:00	10.955	12.038	11.771	11.506
9/29/16 12:00	11.57	12.101	11.833	11.523
9/29/16 13:00	12.437	12.101	11.833	11.539
9/29/16 14:00	13.132	12.101	11.833	11.558
9/29/16 15:00	13.498	12.164	11.896	11.578
9/29/16 16:00	14.036	12.164	11.896	11.598
9/29/16 17:00	14.235	12.226	11.896	11.619
9/29/16 18:00	14.617	12.226	11.959	11.639

9/29/16 19:00	14.332	12.226	11.959	11.665
9/29/16 20:00	13.992	12.289	12.021	11.693
9/29/16 21:00	13.735	12.289	12.021	11.717
9/29/16 22:00	13.517	12.289	12.021	11.741
9/29/16 23:00	13.313	12.352	12.084	11.769
9/30/16 0:00	12.924	12.352	12.084	11.793
9/30/16 1:00	12.687	12.415	12.147	11.821
9/30/16 2:00	12.341	12.415	12.147	11.845
9/30/16 3:00	11.962	12.415	12.147	11.868
9/30/16 4:00	11.702	12.477	12.209	11.891
9/30/16 5:00	11.583	12.477	12.209	11.915
9/30/16 6:00	11.415	12.477	12.272	11.939
9/30/16 7:00	11.278	12.54	12.272	11.962
9/30/16 8:00	11.022	12.54	12.272	11.981
9/30/16 9:00	10.885	12.54	12.272	12.003
9/30/16 10:00	10.957	12.54	12.335	12.023
9/30/16 11:00	11.319	12.54	12.335	12.041
9/30/16 12:00	11.954	12.603	12.335	12.063
9/30/16 13:00	12.822	12.603	12.397	12.085
9/30/16 14:00	13.692	12.603	12.397	12.107
9/30/16 15:00	14.419	12.603	12.397	12.128
9/30/16 16:00	14.69	12.603	12.397	12.15
9/30/16 17:00	14.621	12.603	12.46	12.173
9/30/16 18:00	14.564	12.666	12.46	12.192
9/30/16 19:00	14.459	12.666	12.46	12.217
9/30/16 20:00	14.078	12.666	12.523	12.241
9/30/16 21:00	13.734	12.666	12.523	12.26
9/30/16 22:00	13.474	12.666	12.523	12.283
9/30/16 23:00	13.109	12.666	12.585	12.305
10/1/16 0:00	12.669	12.728	12.585	12.322
10/1/16 1:00	12.381	12.728	12.585	12.343
10/1/16 2:00	12.12	12.728	12.648	12.357
10/1/16 3:00	11.941	12.728	12.648	12.375
10/1/16 4:00	11.784	12.728	12.648	12.389
10/1/16 5:00	11.543	12.728	12.648	12.402
10/1/16 6:00	11.424	12.728	12.648	12.414
10/1/16 7:00	11.497	12.728	12.648	12.423
10/1/16 8:00	11.473	12.791	12.711	12.432
10/1/16 9:00	11.458	12.791	12.711	12.439
10/1/16 10:00	11.543	12.791	12.711	12.45
10/1/16 11:00	11.825	12.791	12.711	12.456

10/1/16 12:00	12.347	12.791	12.711	12.46
10/1/16 13:00	13.014	12.791	12.711	12.465
10/1/16 14:00	13.657	12.791	12.711	12.472
10/1/16 15:00	14.091	12.791	12.711	12.483
10/1/16 16:00	14.298	12.791	12.711	12.489
10/1/16 17:00	14.518	12.791	12.711	12.495
10/1/16 18:00	14.383	12.791	12.773	12.501
10/1/16 19:00	14.038	12.791	12.773	12.51
10/1/16 20:00	13.464	12.791	12.773	12.517
10/1/16 21:00	12.942	12.854	12.773	12.525
10/1/16 22:00	12.464	12.854	12.773	12.532
10/1/16 23:00	11.761	12.854	12.773	12.54
10/2/16 0:00	11.372	12.854	12.773	12.548
10/2/16 1:00	10.757	12.854	12.836	12.551
10/2/16 2:00	10.212	12.854	12.773	12.559
10/2/16 3:00	9.786	12.854	12.836	12.56
10/2/16 4:00	9.324	12.854	12.836	12.564
10/2/16 5:00	8.862	12.854	12.836	12.566
10/2/16 6:00	8.448	12.917	12.836	12.572
10/2/16 7:00	8.121	12.917	12.836	12.575
10/2/16 8:00	7.751	12.917	12.836	12.576
10/2/16 9:00	7.606	12.917	12.836	12.579
10/2/16 10:00	7.631	12.917	12.836	12.579
10/2/16 11:00	8.031	12.917	12.836	12.583
10/2/16 12:00	8.503	12.917	12.836	12.58
10/2/16 13:00	9.138	12.917	12.836	12.586
10/2/16 14:00	10.033	12.917	12.836	12.586
10/2/16 15:00	10.804	12.917	12.836	12.591
10/2/16 16:00	11.224	12.917	12.836	12.593
10/2/16 17:00	11.534	12.917	12.836	12.598
10/2/16 18:00	11.554	12.917	12.836	12.603
10/2/16 19:00	11.641	12.917	12.836	12.611
10/2/16 20:00	11.372	12.917	12.836	12.616
10/2/16 21:00	10.888	12.917	12.836	12.619
10/2/16 22:00	10.562	12.917	12.836	12.624
10/2/16 23:00	10.061	12.854	12.836	12.63
10/3/16 0:00	9.684	12.854	12.836	12.637
10/3/16 1:00	9.373	12.854	12.836	12.638
10/3/16 2:00	8.919	12.854	12.836	12.64
10/3/16 3:00	8.598	12.854	12.836	12.644
10/3/16 4:00	8.447	12.791	12.836	12.644

10/3/16 5:00	8.42	12.791	12.836	12.644
10/3/16 6:00	8.418	12.791	12.836	12.642
10/3/16 7:00	8.414	12.728	12.836	12.638
10/3/16 8:00	8.407	12.728	12.773	12.634
10/3/16 9:00	8.32	12.666	12.773	12.632
10/3/16 10:00	8.214	12.666	12.773	12.624
10/3/16 11:00	8.431	12.603	12.773	12.618
10/3/16 12:00	8.671	12.603	12.711	12.609
10/3/16 13:00	8.852	12.54	12.711	12.601
10/3/16 14:00	9.001	12.54	12.648	12.595
10/3/16 15:00	9.137	12.477	12.648	12.583
10/3/16 16:00	9.334	12.477	12.648	12.573
10/3/16 17:00	9.498	12.415	12.585	12.563
10/3/16 18:00	9.53	12.352	12.585	12.552
10/3/16 19:00	9.451	12.352	12.585	12.538
10/3/16 20:00	9.37	12.289	12.523	12.525
10/3/16 21:00	9.314	12.289	12.523	12.509
10/3/16 22:00	9.203	12.226	12.46	12.494
10/3/16 23:00	9.105	12.164	12.46	12.477
10/4/16 0:00	9.017	12.164	12.46	12.454
10/4/16 1:00	8.935	12.101	12.397	12.433
10/4/16 2:00	8.875	12.038	12.397	12.413
10/4/16 3:00	8.775	12.038	12.335	12.385
10/4/16 4:00	8.674	11.976	12.335	12.355
10/4/16 5:00	8.599	11.913	12.272	12.324
10/4/16 6:00	8.547	11.913	12.209	12.29
10/4/16 7:00	8.477	11.85	12.209	12.257
10/4/16 8:00	8.387	11.787	12.147	12.214
10/4/16 9:00	8.35	11.724	12.084	12.176
10/4/16 10:00	8.378	11.724	12.021	12.133
10/4/16 11:00	8.458	11.662	12.021	12.087
10/4/16 12:00	8.604	11.599	11.959	12.044
10/4/16 13:00	8.835	11.536	11.896	11.998
10/4/16 14:00	9.09	11.473	11.833	11.952
10/4/16 15:00	9.343	11.411	11.771	11.903
10/4/16 16:00	9.666	11.411	11.771	11.856
10/4/16 17:00	9.848	11.348	11.708	11.808

Lewis and Clark

Date/Time	Depths Below the Streambed (m)		
	0	0.9	1.33
	Temperature (°C)		
7/6/16 11:00	12.75	15.415	15.152
7/6/16 12:00	13.371	15.352	15.117
7/6/16 13:00	13.477	15.352	15.118
7/6/16 14:00	13.965	15.415	15.154
7/6/16 15:00	14.65	15.477	15.213
7/6/16 16:00	15.567	15.54	15.296
7/6/16 17:00	15.979	15.665	15.389
7/6/16 18:00	16.159	15.728	15.492
7/6/16 19:00	16.079	15.853	15.593
7/6/16 20:00	15.846	15.916	15.684
7/6/16 21:00	15.597	16.041	15.765
7/6/16 22:00	15.294	16.104	15.826
7/6/16 23:00	14.916	16.104	15.864
7/7/16 0:00	14.443	16.104	15.88
7/7/16 1:00	13.898	16.104	15.865
7/7/16 2:00	13.357	16.041	15.829
7/7/16 3:00	12.833	15.979	15.764
7/7/16 4:00	12.374	15.916	15.681
7/7/16 5:00	11.917	15.791	15.577
7/7/16 6:00	11.484	15.665	15.468
7/7/16 7:00	11.112	15.54	15.35
7/7/16 8:00	10.858	15.477	15.235
7/7/16 9:00	10.862	15.352	15.13
7/7/16 10:00	11.15	15.227	15.035
7/7/16 11:00	11.839	15.164	14.96
7/7/16 12:00	12.721	15.101	14.901
7/7/16 13:00	13.736	15.101	14.864
7/7/16 14:00	14.72	15.101	14.838
7/7/16 15:00	15.326	15.101	14.831
7/7/16 16:00	15.957	15.101	14.836
7/7/16 17:00	16.419	15.101	14.849
7/7/16 18:00	16.583	15.101	14.866
7/7/16 19:00	16.726	15.164	14.879
7/7/16 20:00	16.685	15.164	14.883

7/7/16 21:00	16.443	15.101	14.881
7/7/16 22:00	16.017	15.101	14.861
7/7/16 23:00	15.638	15.039	14.815
7/8/16 0:00	15.224	14.976	14.754
7/8/16 1:00	14.81	14.913	14.672
7/8/16 2:00	14.366	14.788	14.564
7/8/16 3:00	14.004	14.663	14.444
7/8/16 4:00	13.721	14.537	14.316
7/8/16 5:00	13.451	14.412	14.182
7/8/16 6:00	13.128	14.287	14.051
7/8/16 7:00	12.85	14.161	13.927
7/8/16 8:00	12.678	14.036	13.82
7/8/16 9:00	12.695	13.973	13.736
7/8/16 10:00	12.858	13.91	13.682
7/8/16 11:00	13.289	13.91	13.651
7/8/16 12:00	14.145	13.91	13.658
7/8/16 13:00	15.031	13.973	13.695
7/8/16 14:00	15.65	14.036	13.758
7/8/16 15:00	16.157	14.161	13.841
7/8/16 16:00	16.718	14.224	13.938
7/8/16 17:00	17.181	14.349	14.053
7/8/16 18:00	17.471	14.475	14.172
7/8/16 19:00	17.591	14.6	14.299
7/8/16 20:00	17.511	14.725	14.432
7/8/16 21:00	17.21	14.851	14.553
7/8/16 22:00	16.784	14.913	14.654
7/8/16 23:00	16.429	14.976	14.729
7/9/16 0:00	16.167	15.039	14.775
7/9/16 1:00	15.861	15.039	14.799
7/9/16 2:00	15.493	15.039	14.8
7/9/16 3:00	15.117	15.039	14.785
7/9/16 4:00	14.742	14.976	14.754
7/9/16 5:00	14.366	14.976	14.717
7/9/16 6:00	14.019	14.913	14.68
7/9/16 7:00	13.71	14.913	14.649
7/9/16 8:00	13.48	14.851	14.633
7/9/16 9:00	13.421	14.851	14.631
7/9/16 10:00	13.493	14.913	14.649
7/9/16 11:00	14.088	14.976	14.693
7/9/16 12:00	14.703	15.039	14.755
7/9/16 13:00	15.017	15.101	14.836

7/9/16 14:00	15.368	15.227	14.935
7/9/16 15:00	15.682	15.289	15.049
7/9/16 16:00	15.764	15.415	15.171
7/9/16 17:00	15.802	15.54	15.293
7/9/16 18:00	15.734	15.665	15.415
7/9/16 19:00	15.688	15.791	15.526
7/9/16 20:00	15.601	15.853	15.628
7/9/16 21:00	15.515	15.979	15.713
7/9/16 22:00	15.386	16.041	15.776
7/9/16 23:00	15.117	16.041	15.813
7/10/16 0:00	14.763	16.041	15.83
7/10/16 1:00	14.411	16.041	15.823
7/10/16 2:00	14.081	15.979	15.792
7/10/16 3:00	13.751	15.979	15.743
7/10/16 4:00	13.445	15.916	15.685
7/10/16 5:00	13.177	15.853	15.612
7/10/16 6:00	12.954	15.728	15.538
7/10/16 7:00	12.752	15.665	15.463
7/10/16 8:00	12.642	15.603	15.395
7/10/16 9:00	12.763	15.54	15.334
7/10/16 10:00	12.792	15.54	15.285
7/10/16 11:00	12.859	15.477	15.245
7/10/16 12:00	13.033	15.477	15.22
7/10/16 13:00	13.291	15.415	15.208
7/10/16 14:00	13.45	15.415	15.201
7/10/16 15:00	13.512	15.477	15.203
7/10/16 16:00	13.569	15.477	15.211
7/10/16 17:00	13.595	15.477	15.217
7/10/16 18:00	13.594	15.477	15.224
7/10/16 19:00	13.516	15.477	15.223
7/10/16 20:00	13.339	15.477	15.217
7/10/16 21:00	13.09	15.415	15.205
7/10/16 22:00	12.751	15.415	15.175
7/10/16 23:00	12.404	15.352	15.134
7/11/16 0:00	12.107	15.289	15.082
7/11/16 1:00	11.799	15.227	15.015
7/11/16 2:00	11.489	15.164	14.944
7/11/16 3:00	11.191	15.101	14.861
7/11/16 4:00	10.904	14.976	14.755
7/11/16 5:00	10.672	14.851	14.636
7/11/16 6:00	10.454	14.725	14.503

7/11/16 7:00	10.21	14.6	14.355
7/11/16 8:00	9.991	14.412	14.213
7/11/16 9:00	9.858	14.287	14.082
7/11/16 10:00	9.782	14.224	13.968
7/11/16 11:00	9.881	14.099	13.866
7/11/16 12:00	10.021	13.973	13.769
7/11/16 13:00	10.13	13.91	13.673
7/11/16 14:00	10.437	13.785	13.565
7/11/16 15:00	10.88	13.66	13.449
7/11/16 16:00	11.325	13.534	13.317
7/11/16 17:00	12.918	13.346	13.161
7/11/16 18:00	13.12	13.221	12.993
7/11/16 19:00	13.812	12.97	12.804
7/11/16 20:00	13.389	12.782	12.606
7/11/16 21:00	12.716	12.594	12.395
7/11/16 22:00	12.219	12.406	12.186
7/11/16 23:00	11.992	12.217	11.983
7/12/16 0:00	11.485	12.029	11.794
7/12/16 1:00	10.976	11.841	11.62
7/12/16 2:00	10.742	11.716	11.468
7/12/16 3:00	10.576	11.59	11.336
7/12/16 4:00	10.406	11.527	11.234
7/12/16 5:00	10.206	11.465	11.166
7/12/16 6:00	9.93	11.402	11.134
7/12/16 7:00	9.652	11.465	11.139
7/12/16 8:00	9.444	11.465	11.178
7/12/16 9:00	9.423	11.527	11.246
7/12/16 10:00	9.737	11.59	11.327
7/12/16 11:00	10.442	11.716	11.416
7/12/16 12:00	11.32	11.778	11.5
7/12/16 13:00	12.043	11.841	11.574
7/12/16 14:00	12.569	11.904	11.637
7/12/16 15:00	13.574	11.967	11.68
7/12/16 16:00	14.783	11.967	11.713
7/12/16 17:00	15.104	11.967	11.726
7/12/16 18:00	14.935	11.967	11.726
7/12/16 19:00	14.468	11.967	11.709
7/12/16 20:00	14.157	11.904	11.677
7/12/16 21:00	13.685	11.904	11.639
7/12/16 22:00	13.232	11.841	11.583
7/12/16 23:00	12.871	11.778	11.527

7/13/16 0:00	12.613	11.716	11.46
7/13/16 1:00	12.458	11.653	11.396
7/13/16 2:00	12.334	11.59	11.33
7/13/16 3:00	12.146	11.527	11.277
7/13/16 4:00	11.924	11.527	11.233
7/13/16 5:00	11.713	11.465	11.197
7/13/16 6:00	11.535	11.465	11.185
7/13/16 7:00	11.368	11.465	11.193
7/13/16 8:00	11.29	11.527	11.216
7/13/16 9:00	11.291	11.527	11.259
7/13/16 10:00	11.418	11.59	11.318
7/13/16 11:00	11.837	11.653	11.393
7/13/16 12:00	12.578	11.778	11.483
7/13/16 13:00	13.149	11.841	11.58
7/13/16 14:00	14.221	11.967	11.682
7/13/16 15:00	15.499	12.029	11.784
7/13/16 16:00	16.428	12.155	11.89
7/13/16 17:00	16.706	12.217	11.993
7/13/16 18:00	16.403	12.343	12.089
7/13/16 19:00	16.227	12.406	12.181
7/13/16 20:00	15.865	12.531	12.263
7/13/16 21:00	15.432	12.594	12.336
7/13/16 22:00	14.924	12.656	12.394
7/13/16 23:00	14.487	12.656	12.442
7/14/16 0:00	14.117	12.719	12.483
7/14/16 1:00	13.79	12.719	12.505
7/14/16 2:00	13.509	12.782	12.519
7/14/16 3:00	13.126	12.782	12.523
7/14/16 4:00	12.698	12.719	12.518
7/14/16 5:00	12.259	12.719	12.511
7/14/16 6:00	11.89	12.719	12.505
7/14/16 7:00	11.536	12.719	12.504
7/14/16 8:00	11.302	12.782	12.511
7/14/16 9:00	11.265	12.782	12.531
7/14/16 10:00	11.553	12.845	12.567
7/14/16 11:00	12.157	12.907	12.624
7/14/16 12:00	13.058	12.97	12.696
7/14/16 13:00	14.142	13.033	12.781
7/14/16 14:00	15.283	13.158	12.885
7/14/16 15:00	16.433	13.284	12.999
7/14/16 16:00	17.461	13.409	13.122

7/14/16 17:00	18.256	13.472	13.245
7/14/16 18:00	18.771	13.597	13.37
7/14/16 19:00	18.938	13.722	13.493
7/14/16 20:00	18.731	13.785	13.606
7/14/16 21:00	18.279	13.91	13.707
7/14/16 22:00	17.654	13.973	13.797
7/14/16 23:00	17.03	14.036	13.867
7/15/16 0:00	16.494	14.099	13.913
7/15/16 1:00	15.982	14.161	13.943
7/15/16 2:00	15.509	14.161	13.941
7/15/16 3:00	15.082	14.161	13.924
7/15/16 4:00	14.576	14.099	13.892
7/15/16 5:00	13.991	14.036	13.849
7/15/16 6:00	13.408	14.036	13.8
7/15/16 7:00	12.883	13.973	13.754
7/15/16 8:00	12.484	13.973	13.72
7/15/16 9:00	12.346	13.91	13.699
7/15/16 10:00	12.568	13.973	13.703
7/15/16 11:00	13.169	13.973	13.73
7/15/16 12:00	14.055	14.036	13.788
7/15/16 13:00	15.115	14.161	13.873
7/15/16 14:00	16.124	14.287	13.989
7/15/16 15:00	17.173	14.412	14.129
7/15/16 16:00	17.949	14.537	14.294
7/15/16 17:00	18.399	14.725	14.474
7/15/16 18:00	18.682	14.851	14.658
7/15/16 19:00	19.081	15.039	14.853
7/15/16 20:00	19.076	15.227	15.036
7/15/16 21:00	18.588	15.352	15.209
7/15/16 22:00	17.955	15.54	15.357
7/15/16 23:00	17.34	15.603	15.484
7/16/16 0:00	16.719	15.665	15.58
7/16/16 1:00	16.157	15.791	15.64
7/16/16 2:00	15.66	15.791	15.664
7/16/16 3:00	15.154	15.853	15.658
7/16/16 4:00	14.619	15.728	15.625
7/16/16 5:00	14.081	15.728	15.572
7/16/16 6:00	13.529	15.665	15.507
7/16/16 7:00	13.012	15.603	15.434
7/16/16 8:00	12.615	15.603	15.365
7/16/16 9:00	12.439	15.54	15.311

7/16/16 10:00	12.62	15.477	15.274
7/16/16 11:00	13.184	15.477	15.262
7/16/16 12:00	14.142	15.477	15.275
7/16/16 13:00	14.818	15.54	15.316
7/16/16 14:00	15.554	15.603	15.383
7/16/16 15:00	15.809	15.728	15.474
7/16/16 16:00	15.745	15.853	15.589
7/16/16 17:00	15.713	15.979	15.716
7/16/16 18:00	15.734	16.041	15.85
7/16/16 19:00	15.792	16.167	15.984
7/16/16 20:00	15.504	16.292	16.107
7/16/16 21:00	15.08	16.417	16.222
7/16/16 22:00	14.665	16.48	16.314
7/16/16 23:00	14.286	16.543	16.38
7/17/16 0:00	13.998	16.605	16.416
7/17/16 1:00	13.812	16.543	16.423
7/17/16 2:00	13.608	16.543	16.401
7/17/16 3:00	13.332	16.48	16.35
7/17/16 4:00	12.985	16.48	16.276
7/17/16 5:00	12.622	16.355	16.177
7/17/16 6:00	12.258	16.229	16.063
7/17/16 7:00	11.897	16.104	15.94
7/17/16 8:00	11.603	15.979	15.813
7/17/16 9:00	11.533	15.853	15.687
7/17/16 10:00	11.801	15.791	15.572
7/17/16 11:00	12.46	15.665	15.465
7/17/16 12:00	13.361	15.603	15.374
7/17/16 13:00	14.095	15.477	15.298
7/17/16 14:00	14.965	15.477	15.234
7/17/16 15:00	15.695	15.415	15.187
7/17/16 16:00	16.467	15.352	15.145
7/17/16 17:00	17.254	15.352	15.116
7/17/16 18:00	17.864	15.352	15.091
7/17/16 19:00	18.231	15.289	15.068
7/17/16 20:00	18.163	15.289	15.049
7/17/16 21:00	17.849	15.227	15.023
7/17/16 22:00	17.383	15.227	14.991
7/17/16 23:00	16.866	15.164	14.95
7/18/16 0:00	16.309	15.101	14.899
7/18/16 1:00	15.817	15.039	14.83
7/18/16 2:00	15.479	14.976	14.753

7/18/16 3:00	15.163	14.851	14.656
7/18/16 4:00	14.836	14.788	14.559
7/18/16 5:00	14.413	14.663	14.454
7/18/16 6:00	13.971	14.537	14.348
7/18/16 7:00	13.564	14.475	14.25
7/18/16 8:00	13.269	14.412	14.164
7/18/16 9:00	13.082	14.287	14.095
7/18/16 10:00	13.283	14.287	14.052
7/18/16 11:00	13.868	14.287	14.04
7/18/16 12:00	14.815	14.349	14.063
7/18/16 13:00	15.906	14.412	14.12
7/18/16 14:00	17.029	14.475	14.208
7/18/16 15:00	18.113	14.6	14.33
7/18/16 16:00	19.132	14.725	14.471
7/18/16 17:00	19.748	14.913	14.631
7/18/16 18:00	20.026	15.101	14.786
7/18/16 19:00	20.161	15.227	14.931
7/18/16 20:00	19.899	15.352	15.104
7/18/16 21:00	19.345	15.54	15.27
7/18/16 22:00	18.785	15.665	15.413
7/18/16 23:00	18.302	15.791	15.543
7/19/16 0:00	17.843	15.853	15.633
7/19/16 1:00	17.434	15.916	15.689
7/19/16 2:00	17.107	15.916	15.713
7/19/16 3:00	16.782	15.916	15.702
7/19/16 4:00	16.435	15.916	15.674
7/19/16 5:00	16.001	15.853	15.633
7/19/16 6:00	15.51	15.791	15.581
7/19/16 7:00	15.053	15.728	15.536
7/19/16 8:00	14.702	15.728	15.504
7/19/16 9:00	14.565	15.728	15.493
7/19/16 10:00	14.75	15.728	15.512
7/19/16 11:00	15.327	15.791	15.568
7/19/16 12:00	16.188	15.916	15.652
7/19/16 13:00	17.229	16.041	15.774
7/19/16 14:00	18.312	16.167	15.924
7/19/16 15:00	19.338	16.355	16.099
7/19/16 16:00	20.248	16.48	16.29
7/19/16 17:00	20.959	16.731	16.472
7/19/16 18:00	21.385	16.856	16.658
7/19/16 19:00	21.516	17.044	16.839

7/19/16 20:00	21.297	17.232	17.027
7/19/16 21:00	20.775	17.357	17.184
7/19/16 22:00	20.11	17.482	17.309
7/19/16 23:00	19.457	17.545	17.41
7/20/16 0:00	18.859	17.607	17.472
7/20/16 1:00	18.302	17.67	17.498
7/20/16 2:00	17.786	17.67	17.487
7/20/16 3:00	17.34	17.607	17.447
7/20/16 4:00	16.895	17.545	17.383
7/20/16 5:00	16.444	17.482	17.305
7/20/16 6:00	15.97	17.42	17.223
7/20/16 7:00	15.53	17.357	17.146
7/20/16 8:00	15.108	17.294	17.084
7/20/16 9:00	14.889	17.232	17.046
7/20/16 10:00	15.019	17.232	17.042
7/20/16 11:00	15.561	17.294	17.074
7/20/16 12:00	16.408	17.357	17.147
7/20/16 13:00	17.449	17.482	17.253
7/20/16 14:00	18.521	17.67	17.396
7/20/16 15:00	19.478	17.795	17.565
7/20/16 16:00	20.27	17.983	17.747
7/20/16 17:00	20.743	18.171	17.934
7/20/16 18:00	20.951	18.296	18.126
7/20/16 19:00	20.8	18.547	18.301
7/20/16 20:00	20.476	18.609	18.453
7/20/16 21:00	20.011	18.735	18.573
7/20/16 22:00	19.454	18.797	18.67
7/20/16 23:00	18.828	18.922	18.733
7/21/16 0:00	18.203	18.922	18.754
7/21/16 1:00	17.625	18.922	18.732
7/21/16 2:00	17.094	18.797	18.672
7/21/16 3:00	16.622	18.735	18.581
7/21/16 4:00	16.205	18.609	18.458
7/21/16 5:00	15.803	18.484	18.322
7/21/16 6:00	15.343	18.359	18.178
7/21/16 7:00	14.847	18.234	18.039
7/21/16 8:00	14.455	18.108	17.913
7/21/16 9:00	14.29	17.983	17.808
7/21/16 10:00	14.455	17.921	17.742
7/21/16 11:00	15.059	17.921	17.716
7/21/16 12:00	15.987	17.921	17.72

7/21/16 13:00	17.094	17.983	17.76
7/21/16 14:00	18.246	18.046	17.829
7/21/16 15:00	19.321	18.171	17.928
7/21/16 16:00	20.317	18.296	18.045
7/21/16 17:00	21.117	18.422	18.169
7/21/16 18:00	21.654	18.547	18.288
7/21/16 19:00	21.868	18.609	18.397
7/21/16 20:00	21.77	18.735	18.495
7/21/16 21:00	21.358	18.797	18.575
7/21/16 22:00	20.828	18.86	18.632
7/21/16 23:00	20.202	18.86	18.65
7/22/16 0:00	19.562	18.797	18.633
7/22/16 1:00	18.927	18.735	18.569
7/22/16 2:00	18.336	18.609	18.469
7/22/16 3:00	17.788	18.484	18.335
7/22/16 4:00	17.296	18.359	18.177
7/22/16 5:00	16.84	18.171	18.016
7/22/16 6:00	16.353	17.983	17.848
7/22/16 7:00	15.847	17.858	17.695
7/22/16 8:00	15.442	17.733	17.559
7/22/16 9:00	15.245	17.67	17.459
7/22/16 10:00	15.38	17.607	17.4
7/22/16 11:00	15.948	17.607	17.385
7/22/16 12:00	16.846	17.67	17.414
7/22/16 13:00	17.935	17.733	17.495
7/22/16 14:00	18.886	17.858	17.61
7/22/16 15:00	19.578	18.046	17.766
7/22/16 16:00	20.425	18.234	17.955
7/22/16 17:00	20.993	18.422	18.154
7/22/16 18:00	21.442	18.609	18.348
7/22/16 19:00	21.485	18.797	18.539
7/22/16 20:00	21.208	18.922	18.714
7/22/16 21:00	20.745	19.11	18.89
7/22/16 22:00	20.061	19.235	19.04
7/22/16 23:00	19.378	19.361	19.142
7/23/16 0:00	18.726	19.361	19.194
7/23/16 1:00	18.108	19.361	19.2
7/23/16 2:00	17.516	19.361	19.163
7/23/16 3:00	16.949	19.235	19.086
7/23/16 4:00	16.483	19.173	18.979
7/23/16 5:00	16.085	19.048	18.852

7/23/16 6:00	15.675	18.86	18.72
7/23/16 7:00	15.221	18.735	18.58
7/23/16 8:00	14.858	18.609	18.452
7/23/16 9:00	14.704	18.547	18.344
7/23/16 10:00	14.868	18.484	18.264
7/23/16 11:00	15.161	18.422	18.218
7/23/16 12:00	15.834	18.422	18.219
7/23/16 13:00	16.168	18.484	18.247
7/23/16 14:00	17.124	18.547	18.308
7/23/16 15:00	17.928	18.609	18.402
7/23/16 16:00	18.535	18.735	18.52
7/23/16 17:00	19.115	18.86	18.654
7/23/16 18:00	19.559	19.048	18.79
7/23/16 19:00	19.79	19.173	18.925
7/23/16 20:00	19.692	19.235	19.042
7/23/16 21:00	19.188	19.361	19.125
7/23/16 22:00	18.605	19.423	19.19
7/23/16 23:00	18.049	19.423	19.221
7/24/16 0:00	17.436	19.423	19.215
7/24/16 1:00	16.842	19.361	19.17
7/24/16 2:00	16.306	19.235	19.091
7/24/16 3:00	15.848	19.173	18.978
7/24/16 4:00	15.42	18.985	18.838
7/24/16 5:00	15.001	18.86	18.678
7/24/16 6:00	14.603	18.672	18.498
7/24/16 7:00	14.184	18.484	18.316
7/24/16 8:00	13.818	18.296	18.13
7/24/16 9:00	13.66	18.108	17.96
7/24/16 10:00	13.829	17.983	17.808
7/24/16 11:00	14.428	17.858	17.681
7/24/16 12:00	15.383	17.795	17.59
7/24/16 13:00	16.509	17.733	17.529
7/24/16 14:00	17.619	17.733	17.506
7/24/16 15:00	18.634	17.733	17.511
7/24/16 16:00	19.55	17.795	17.551
7/24/16 17:00	20.302	17.858	17.605
7/24/16 18:00	20.863	17.921	17.681
7/24/16 19:00	21.165	17.983	17.755
7/24/16 20:00	21.227	18.046	17.837
7/24/16 21:00	20.928	18.108	17.906
7/24/16 22:00	20.401	18.171	17.965

7/24/16 23:00	19.77	18.234	18.002
7/25/16 0:00	19.097	18.234	18.022
7/25/16 1:00	18.431	18.171	18.003
7/25/16 2:00	17.832	18.171	17.95
7/25/16 3:00	17.252	18.046	17.866
7/25/16 4:00	16.719	17.921	17.75
7/25/16 5:00	16.287	17.795	17.617
7/25/16 6:00	15.865	17.67	17.469
7/25/16 7:00	15.454	17.482	17.319
7/25/16 8:00	15.074	17.357	17.174
7/25/16 9:00	14.872	17.232	17.043
7/25/16 10:00	15.028	17.106	16.94
7/25/16 11:00	15.59	17.044	16.868
7/25/16 12:00	16.509	17.044	16.833
7/25/16 13:00	17.633	17.044	16.842
7/25/16 14:00	18.761	17.106	16.892
7/25/16 15:00	19.77	17.232	16.985
7/25/16 16:00	20.643	17.357	17.112
7/25/16 17:00	21.357	17.545	17.272
7/25/16 18:00	21.89	17.733	17.461
7/25/16 19:00	22.122	17.921	17.658
7/25/16 20:00	22.043	18.108	17.846
7/25/16 21:00	21.736	18.296	18.022
7/25/16 22:00	21.167	18.422	18.207
7/25/16 23:00	20.511	18.609	18.385
7/26/16 0:00	19.831	18.735	18.526
7/26/16 1:00	19.171	18.86	18.622
7/26/16 2:00	18.538	18.86	18.673
7/26/16 3:00	17.94	18.86	18.687
7/26/16 4:00	17.346	18.86	18.657
7/26/16 5:00	16.837	18.797	18.589
7/26/16 6:00	16.399	18.672	18.5
7/26/16 7:00	15.977	18.547	18.388
7/26/16 8:00	15.606	18.422	18.269
7/26/16 9:00	15.444	18.296	18.144
7/26/16 10:00	15.608	18.234	18.031
7/26/16 11:00	16.17	18.108	17.942
7/26/16 12:00	16.948	18.046	17.881
7/26/16 13:00	18.062	18.046	17.859
7/26/16 14:00	18.866	18.108	17.878
7/26/16 15:00	19.754	18.171	17.935

7/26/16 16:00	20.339	18.234	18.037
7/26/16 17:00	20.836	18.422	18.176
7/26/16 18:00	21.186	18.609	18.341
7/26/16 19:00	21.25	18.797	18.529
7/26/16 20:00	21.148	18.985	18.727
7/26/16 21:00	20.96	19.173	18.922
7/26/16 22:00	20.664	19.361	19.1
7/26/16 23:00	20.248	19.486	19.26
7/27/16 0:00	19.716	19.611	19.39
7/27/16 1:00	19.154	19.674	19.486
7/27/16 2:00	18.628	19.736	19.534
7/27/16 3:00	18.127	19.674	19.548
7/27/16 4:00	17.668	19.674	19.516
7/27/16 5:00	17.227	19.611	19.452
7/27/16 6:00	16.824	19.548	19.353
7/27/16 7:00	16.472	19.361	19.227
7/27/16 8:00	16.201	19.235	19.084
7/27/16 9:00	16.141	19.11	18.935
7/27/16 10:00	16.366	18.922	18.792
7/27/16 11:00	16.942	18.797	18.658
7/27/16 12:00	17.852	18.735	18.551
7/27/16 13:00	19.012	18.672	18.475
7/27/16 14:00	19.929	18.609	18.432
7/27/16 15:00	20.984	18.609	18.429
7/27/16 16:00	21.643	18.672	18.457
7/27/16 17:00	22.215	18.735	18.521
7/27/16 18:00	22.599	18.86	18.614
7/27/16 19:00	22.615	18.922	18.724
7/27/16 20:00	22.51	19.048	18.832
7/27/16 21:00	22.156	19.173	18.946
7/27/16 22:00	21.615	19.298	19.056
7/27/16 23:00	20.993	19.423	19.166
7/28/16 0:00	20.371	19.486	19.264
7/28/16 1:00	19.827	19.548	19.348
7/28/16 2:00	19.311	19.611	19.41
7/28/16 3:00	18.805	19.611	19.432
7/28/16 4:00	18.33	19.611	19.421
7/28/16 5:00	17.849	19.548	19.382
7/28/16 6:00	17.404	19.486	19.317
7/28/16 7:00	17.017	19.423	19.234
7/28/16 8:00	16.662	19.298	19.135

7/28/16 9:00	16.474	19.235	19.03
7/28/16 10:00	16.639	19.11	18.937
7/28/16 11:00	17.178	19.048	18.854
7/28/16 12:00	18.075	18.985	18.803
7/28/16 13:00	19.236	18.985	18.778
7/28/16 14:00	20.176	18.985	18.794
7/28/16 15:00	21.201	19.048	18.842
7/28/16 16:00	21.952	19.173	18.93
7/28/16 17:00	22.434	19.298	19.053
7/28/16 18:00	22.546	19.423	19.2
7/28/16 19:00	22.598	19.611	19.365
7/28/16 20:00	22.448	19.736	19.533
7/28/16 21:00	22.118	19.924	19.7
7/28/16 22:00	21.589	20.112	19.867
7/28/16 23:00	21.06	20.237	20.016
7/29/16 0:00	20.58	20.362	20.139
7/29/16 1:00	20.115	20.425	20.225
7/29/16 2:00	19.642	20.487	20.28
7/29/16 3:00	19.201	20.487	20.299
7/29/16 4:00	18.724	20.487	20.285
7/29/16 5:00	18.251	20.425	20.233
7/29/16 6:00	17.811	20.362	20.157
7/29/16 7:00	17.374	20.237	20.053
7/29/16 8:00	17.007	20.112	19.93
7/29/16 9:00	16.855	19.987	19.801
7/29/16 10:00	17.064	19.861	19.668
7/29/16 11:00	17.634	19.736	19.552
7/29/16 12:00	18.516	19.611	19.458
7/29/16 13:00	19.673	19.548	19.393
7/29/16 14:00	20.824	19.548	19.36
7/29/16 15:00	21.718	19.548	19.367
7/29/16 16:00	22.374	19.611	19.406
7/29/16 17:00	22.913	19.674	19.475
7/29/16 18:00	23.312	19.799	19.57
7/29/16 19:00	23.526	19.924	19.693
7/29/16 20:00	23.55	20.049	19.825
7/29/16 21:00	23.378	20.174	19.957
7/29/16 22:00	22.915	20.362	20.104
7/29/16 23:00	22.28	20.487	20.242
7/30/16 0:00	21.659	20.612	20.356
7/30/16 1:00	20.959	20.675	20.446

7/30/16 2:00	20.277	20.738	20.504
7/30/16 3:00	19.647	20.738	20.535
7/30/16 4:00	18.987	20.738	20.528
7/30/16 5:00	18.391	20.675	20.49
7/30/16 6:00	17.847	20.612	20.42
7/30/16 7:00	17.351	20.487	20.328
7/30/16 8:00	16.961	20.362	20.216
7/30/16 9:00	16.825	20.237	20.095
7/30/16 10:00	17.068	20.112	19.974
7/30/16 11:00	17.7	20.049	19.863
7/30/16 12:00	18.611	19.924	19.777
7/30/16 13:00	19.805	19.924	19.733
7/30/16 14:00	20.94	19.924	19.72
7/30/16 15:00	21.687	19.924	19.74
7/30/16 16:00	22.177	19.987	19.783
7/30/16 17:00	22.532	20.049	19.859
7/30/16 18:00	22.76	20.174	19.975
7/30/16 19:00	22.916	20.362	20.115
7/30/16 20:00	22.818	20.487	20.275
7/30/16 21:00	22.659	20.675	20.453
7/30/16 22:00	22.257	20.863	20.62
7/30/16 23:00	21.699	21.05	20.795
7/31/16 0:00	21.057	21.176	20.947
7/31/16 1:00	20.429	21.238	21.058
7/31/16 2:00	19.799	21.301	21.128
7/31/16 3:00	19.166	21.363	21.157
7/31/16 4:00	18.531	21.301	21.146
7/31/16 5:00	17.873	21.301	21.093
7/31/16 6:00	17.279	21.176	21.01
7/31/16 7:00	16.736	21.05	20.892
7/31/16 8:00	16.274	20.925	20.754
7/31/16 9:00	16.091	20.738	20.601
7/31/16 10:00	16.275	20.612	20.449
7/31/16 11:00	16.781	20.487	20.307
7/31/16 12:00	17.64	20.362	20.189
7/31/16 13:00	18.71	20.237	20.094
7/31/16 14:00	19.696	20.237	20.038
7/31/16 15:00	20.423	20.174	20.023
7/31/16 16:00	20.976	20.237	20.037
7/31/16 17:00	21.294	20.3	20.083
7/31/16 18:00	21.422	20.362	20.157

7/31/16 19:00	21.484	20.487	20.258
7/31/16 20:00	21.46	20.612	20.378
7/31/16 21:00	21.304	20.738	20.504
7/31/16 22:00	20.881	20.863	20.624
7/31/16 23:00	20.295	20.988	20.746
8/1/16 0:00	19.635	21.05	20.857
8/1/16 1:00	18.924	21.176	20.94
8/1/16 2:00	18.257	21.176	20.988
8/1/16 3:00	17.544	21.176	21.002
8/1/16 4:00	16.896	21.176	20.983
8/1/16 5:00	16.255	21.113	20.925
8/1/16 6:00	15.622	20.988	20.83
8/1/16 7:00	15.015	20.863	20.711
8/1/16 8:00	14.569	20.738	20.565
8/1/16 9:00	14.363	20.55	20.4
8/1/16 10:00	14.536	20.425	20.229
8/1/16 11:00	15.103	20.237	20.058
8/1/16 12:00	15.968	20.049	19.901
8/1/16 13:00	17.158	19.924	19.768
8/1/16 14:00	18.255	19.799	19.656
8/1/16 15:00	19.137	19.736	19.572
8/1/16 16:00	19.831	19.674	19.521
8/1/16 17:00	20.342	19.674	19.5
8/1/16 18:00	20.689	19.674	19.51
8/1/16 19:00	20.85	19.736	19.544
8/1/16 20:00	20.914	19.799	19.605
8/1/16 21:00	20.862	19.861	19.671
8/1/16 22:00	20.57	19.924	19.742
8/1/16 23:00	20.108	20.049	19.816
8/2/16 0:00	19.56	20.112	19.879
8/2/16 1:00	18.983	20.112	19.927
8/2/16 2:00	18.318	20.174	19.958
8/2/16 3:00	17.638	20.174	19.955
8/2/16 4:00	16.969	20.112	19.92
8/2/16 5:00	16.313	20.049	19.861
8/2/16 6:00	15.686	19.924	19.762
8/2/16 7:00	15.134	19.799	19.636
8/2/16 8:00	14.68	19.674	19.482
8/2/16 9:00	14.44	19.486	19.311
8/2/16 10:00	14.6	19.298	19.127
8/2/16 11:00	15.114	19.11	18.943

8/2/16 12:00	15.984	18.922	18.762
8/2/16 13:00	17.122	18.797	18.604
8/2/16 14:00	18.134	18.609	18.464
8/2/16 15:00	18.977	18.547	18.349
8/2/16 16:00	19.628	18.484	18.275
8/2/16 17:00	20.028	18.422	18.236
8/2/16 18:00	20.296	18.422	18.232
8/2/16 19:00	20.381	18.484	18.26
8/2/16 20:00	20.366	18.547	18.323
8/2/16 21:00	20.199	18.609	18.406
8/2/16 22:00	19.851	18.735	18.508
8/2/16 23:00	19.369	18.86	18.617
8/3/16 0:00	18.905	18.985	18.725
8/3/16 1:00	18.324	19.048	18.827
8/3/16 2:00	17.674	19.173	18.919
8/3/16 3:00	16.933	19.235	18.987
8/3/16 4:00	16.399	19.235	19.031
8/3/16 5:00	15.937	19.235	19.045
8/3/16 6:00	15.361	19.235	19.034
8/3/16 7:00	14.935	19.173	18.995
8/3/16 8:00	14.731	19.11	18.92
8/3/16 9:00	14.651	19.048	18.828
8/3/16 10:00	14.566	18.922	18.712
8/3/16 11:00	14.943	18.797	18.589
8/3/16 12:00	15.84	18.672	18.46
8/3/16 13:00	16.833	18.547	18.338
8/3/16 14:00	17.404	18.422	18.227
8/3/16 15:00	17.981	18.296	18.133
8/3/16 16:00	18.359	18.234	18.061
8/3/16 17:00	18.84	18.234	18.015
8/3/16 18:00	18.883	18.171	17.998
8/3/16 19:00	18.7	18.234	18.012
8/3/16 20:00	18.525	18.234	18.046
8/3/16 21:00	18.229	18.296	18.096
8/3/16 22:00	17.779	18.359	18.167
8/3/16 23:00	17.335	18.484	18.247
8/4/16 0:00	16.909	18.547	18.334
8/4/16 1:00	16.508	18.609	18.417
8/4/16 2:00	16.058	18.672	18.482
8/4/16 3:00	15.616	18.735	18.538
8/4/16 4:00	15.168	18.797	18.574

8/4/16 5:00	14.691	18.797	18.588
8/4/16 6:00	14.213	18.797	18.575
8/4/16 7:00	13.798	18.735	18.544
8/4/16 8:00	13.422	18.672	18.484
8/4/16 9:00	13.257	18.609	18.403
8/4/16 10:00	13.486	18.484	18.309
8/4/16 11:00	14.151	18.359	18.198
8/4/16 12:00	15.137	18.296	18.088
8/4/16 13:00	16.353	18.171	17.979
8/4/16 14:00	17.548	18.046	17.874
8/4/16 15:00	18.578	17.983	17.783
8/4/16 16:00	19.258	17.921	17.701
8/4/16 17:00	19.675	17.858	17.636
8/4/16 18:00	19.936	17.795	17.591
8/4/16 19:00	20.051	17.733	17.568
8/4/16 20:00	20.091	17.795	17.565
8/4/16 21:00	20.056	17.795	17.57
8/4/16 22:00	19.905	17.795	17.577
8/4/16 23:00	19.601	17.795	17.589
8/5/16 0:00	19.195	17.795	17.607
8/5/16 1:00	18.706	17.795	17.622
8/5/16 2:00	18.144	17.858	17.631
8/5/16 3:00	17.57	17.858	17.626
8/5/16 4:00	16.989	17.795	17.607
8/5/16 5:00	16.413	17.795	17.571
8/5/16 6:00	15.837	17.733	17.515
8/5/16 7:00	15.276	17.607	17.439
8/5/16 8:00	14.816	17.545	17.346
8/5/16 9:00	14.564	17.42	17.238
8/5/16 10:00	14.722	17.294	17.119
8/5/16 11:00	15.315	17.169	16.999
8/5/16 12:00	16.275	17.044	16.883
8/5/16 13:00	17.444	16.981	16.776
8/5/16 14:00	18.763	16.856	16.688
8/5/16 15:00	19.853	16.793	16.618
8/5/16 16:00	20.335	16.793	16.576
8/5/16 17:00	20.131	16.793	16.558
8/5/16 18:00	20.726	16.793	16.576
8/5/16 19:00	20.735	16.856	16.628
8/5/16 20:00	20.636	16.918	16.704
8/5/16 21:00	20.574	17.044	16.809

8/5/16 22:00	20.452	17.169	16.938
8/5/16 23:00	20.232	17.294	17.08
8/6/16 0:00	19.964	17.482	17.23
8/6/16 1:00	19.596	17.607	17.374
8/6/16 2:00	19.229	17.733	17.515
8/6/16 3:00	18.855	17.858	17.646
8/6/16 4:00	18.488	17.983	17.757
8/6/16 5:00	18.11	18.108	17.846
8/6/16 6:00	17.707	18.108	17.907
8/6/16 7:00	17.35	18.171	17.949
8/6/16 8:00	17.014	18.171	17.965
8/6/16 9:00	16.785	18.171	17.957
8/6/16 10:00	16.774	18.108	17.928
8/6/16 11:00	16.919	18.108	17.88
8/6/16 12:00	17.126	18.046	17.826
8/6/16 13:00	17.264	17.983	17.773
8/6/16 14:00	17.875	17.921	17.723
8/6/16 15:00	19.151	17.858	17.683
8/6/16 16:00	19.456	17.858	17.654
8/6/16 17:00	18.928	17.858	17.65
8/6/16 18:00	18.755	17.858	17.668
8/6/16 19:00	18.84	17.921	17.708
8/6/16 20:00	18.738	17.983	17.775
8/6/16 21:00	18.632	18.108	17.862
8/6/16 22:00	18.453	18.171	17.965
8/6/16 23:00	18.218	18.296	18.083
8/7/16 0:00	17.913	18.422	18.202
8/7/16 1:00	17.548	18.547	18.329
8/7/16 2:00	17.137	18.672	18.451
8/7/16 3:00	16.706	18.797	18.563
8/7/16 4:00	16.286	18.922	18.67
8/7/16 5:00	15.887	18.985	18.759
8/7/16 6:00	15.484	19.048	18.833
8/7/16 7:00	15.083	19.11	18.888
8/7/16 8:00	14.779	19.173	18.923
8/7/16 9:00	14.7	19.173	18.935
8/7/16 10:00	14.742	19.11	18.933
8/7/16 11:00	15.016	19.11	18.913
8/7/16 12:00	15.223	19.11	18.885
8/7/16 13:00	15.24	19.048	18.845
8/7/16 14:00	15.332	18.985	18.797

8/7/16 15:00	15.995	18.985	18.753
8/7/16 16:00	16.727	18.922	18.71
8/7/16 17:00	16.905	18.86	18.675
8/7/16 18:00	16.988	18.86	18.64
8/7/16 19:00	17.053	18.797	18.617
8/7/16 20:00	16.991	18.797	18.595
8/7/16 21:00	16.864	18.797	18.58
8/7/16 22:00	16.686	18.797	18.571
8/7/16 23:00	16.451	18.797	18.565
8/8/16 0:00	16.16	18.735	18.559
8/8/16 1:00	15.853	18.735	18.549
8/8/16 2:00	15.491	18.735	18.533
8/8/16 3:00	15.099	18.735	18.514
8/8/16 4:00	14.721	18.672	18.483
8/8/16 5:00	14.356	18.609	18.443
8/8/16 6:00	13.983	18.609	18.385
8/8/16 7:00	13.611	18.484	18.321
8/8/16 8:00	13.325	18.422	18.237
8/8/16 9:00	13.22	18.359	18.145
8/8/16 10:00	13.474	18.234	18.042
8/8/16 11:00	14.174	18.108	17.929
8/8/16 12:00	15.206	17.983	17.813
8/8/16 13:00	16.436	17.858	17.697
8/8/16 14:00	17.738	17.795	17.579
8/8/16 15:00	18.164	17.67	17.462
8/8/16 16:00	18.353	17.545	17.348
8/8/16 17:00	18.627	17.42	17.242
8/8/16 18:00	19.032	17.357	17.147
8/8/16 19:00	19.258	17.232	17.064
8/8/16 20:00	19.35	17.169	17.003
8/8/16 21:00	19.346	17.169	16.953
8/8/16 22:00	19.095	17.106	16.898
8/8/16 23:00	18.894	17.044	16.851
8/9/16 0:00	18.602	17.044	16.815
8/9/16 1:00	18.225	16.981	16.786
8/9/16 2:00	17.818	16.981	16.759
8/9/16 3:00	17.34	16.918	16.732
8/9/16 4:00	16.787	16.918	16.701
8/9/16 5:00	16.258	16.856	16.66
8/9/16 6:00	15.766	16.793	16.616
8/9/16 7:00	15.334	16.793	16.562

8/9/16 8:00	14.976	16.668	16.498
8/9/16 9:00	14.996	16.605	16.419
8/9/16 10:00	14.771	16.543	16.34
8/9/16 11:00	14.671	16.48	16.257
8/9/16 12:00	14.982	16.355	16.169
8/9/16 13:00	15.774	16.292	16.097
8/9/16 14:00	16.857	16.229	16.028
8/9/16 15:00	17.067	16.167	15.981
8/9/16 16:00	17.005	16.167	15.945
8/9/16 17:00	17.638	16.167	15.936
8/9/16 18:00	17.39	16.167	15.945
8/9/16 19:00	17.317	16.229	15.98
8/9/16 20:00	17.353	16.229	16.042
8/9/16 21:00	17.233	16.355	16.122
8/9/16 22:00	16.881	16.48	16.223
8/9/16 23:00	16.661	16.605	16.34
8/10/16 0:00	16.395	16.731	16.467
8/10/16 1:00	16.009	16.856	16.6
8/10/16 2:00	15.569	16.981	16.732
8/10/16 3:00	15.121	17.106	16.857
8/10/16 4:00	14.651	17.232	16.976
8/10/16 5:00	14.214	17.294	17.084
8/10/16 6:00	13.851	17.42	17.175
8/10/16 7:00	13.549	17.482	17.245
8/10/16 8:00	13.303	17.545	17.295
8/10/16 9:00	13.155	17.545	17.322
8/10/16 10:00	13.161	17.545	17.331
8/10/16 11:00	13.342	17.545	17.315
8/10/16 12:00	13.498	17.482	17.286
8/10/16 13:00	13.903	17.482	17.246
8/10/16 14:00	14.188	17.42	17.194
8/10/16 15:00	14.634	17.357	17.138
8/10/16 16:00	15.367	17.294	17.085
8/10/16 17:00	15.812	17.232	17.033
8/10/16 18:00	15.943	17.169	16.99
8/10/16 19:00	15.986	17.169	16.955
8/10/16 20:00	15.837	17.106	16.918
8/10/16 21:00	15.727	17.106	16.896
8/10/16 22:00	15.518	17.106	16.882
8/10/16 23:00	15.282	17.106	16.87
8/11/16 0:00	15.023	17.044	16.86

8/11/16 1:00	14.731	17.044	16.853
8/11/16 2:00	14.374	17.044	16.842
8/11/16 3:00	14.045	17.044	16.822
8/11/16 4:00	13.7	16.981	16.792
8/11/16 5:00	13.44	16.981	16.753
8/11/16 6:00	13.123	16.918	16.697
8/11/16 7:00	12.786	16.856	16.635
8/11/16 8:00	12.509	16.731	16.553
8/11/16 9:00	12.363	16.668	16.464
8/11/16 10:00	12.585	16.543	16.361
8/11/16 11:00	13.209	16.417	16.246
8/11/16 12:00	14.154	16.355	16.13
8/11/16 13:00	15.353	16.229	16.014
8/11/16 14:00	16.558	16.104	15.9
8/11/16 15:00	17.053	15.979	15.788
8/11/16 16:00	17.507	15.853	15.685
8/11/16 17:00	17.923	15.791	15.583
8/11/16 18:00	18.175	15.665	15.504
8/11/16 19:00	18.385	15.603	15.435
8/11/16 20:00	18.511	15.603	15.382
8/11/16 21:00	18.536	15.54	15.337
8/11/16 22:00	18.356	15.54	15.312
8/11/16 23:00	18.095	15.477	15.296
8/12/16 0:00	17.731	15.477	15.287
8/12/16 1:00	17.337	15.477	15.284
8/12/16 2:00	16.93	15.477	15.285
8/12/16 3:00	16.457	15.477	15.281
8/12/16 4:00	15.977	15.477	15.273
8/12/16 5:00	15.513	15.477	15.263
8/12/16 6:00	15.038	15.477	15.238
8/12/16 7:00	14.6	15.415	15.208
8/12/16 8:00	14.251	15.352	15.166
8/12/16 9:00	14.055	15.352	15.116
8/12/16 10:00	14.251	15.289	15.059
8/12/16 11:00	14.861	15.227	14.999
8/12/16 12:00	15.821	15.164	14.938
8/12/16 13:00	16.993	15.101	14.883
8/12/16 14:00	17.949	15.039	14.839
8/12/16 15:00	18.382	15.039	14.808
8/12/16 16:00	18.473	14.976	14.793
8/12/16 17:00	18.738	15.039	14.8

8/12/16 18:00	18.974	15.039	14.825
8/12/16 19:00	19.136	15.101	14.874
8/12/16 20:00	19.089	15.164	14.952
8/12/16 21:00	18.972	15.289	15.047
8/12/16 22:00	18.82	15.415	15.169
8/12/16 23:00	18.588	15.54	15.3
8/13/16 0:00	18.308	15.665	15.445
8/13/16 1:00	17.959	15.853	15.591
8/13/16 2:00	17.534	15.979	15.735
8/13/16 3:00	17.078	16.104	15.874
8/13/16 4:00	16.612	16.229	16.003
8/13/16 5:00	16.127	16.355	16.115
8/13/16 6:00	15.629	16.48	16.211
8/13/16 7:00	15.178	16.543	16.288
8/13/16 8:00	14.771	16.543	16.343
8/13/16 9:00	14.572	16.605	16.379
8/13/16 10:00	14.763	16.605	16.394
8/13/16 11:00	15.354	16.605	16.397
8/13/16 12:00	16.349	16.605	16.388
8/13/16 13:00	17.477	16.605	16.371
8/13/16 14:00	18.732	16.543	16.354
8/13/16 15:00	19.543	16.543	16.344
8/13/16 16:00	19.95	16.543	16.338
8/13/16 17:00	20.389	16.543	16.345
8/13/16 18:00	20.554	16.605	16.364
8/13/16 19:00	20.659	16.605	16.402
8/13/16 20:00	20.643	16.668	16.454
8/13/16 21:00	20.524	16.731	16.522
8/13/16 22:00	20.329	16.856	16.601
8/13/16 23:00	20.082	16.918	16.689